

## Product Guide



Improving choice, quality and service

**MIERS**   
Construction Products Ltd

### Call Miers

**St Neots** 01480 702222  
**Airdrie** 01236 541130  
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**Launceston** 01566 721011  
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### Call Kestral

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### Call Maran Atha Fasteners

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### Call Whiterock Construction Products

01480 702222

### Call Merchants Support

0800 9890222

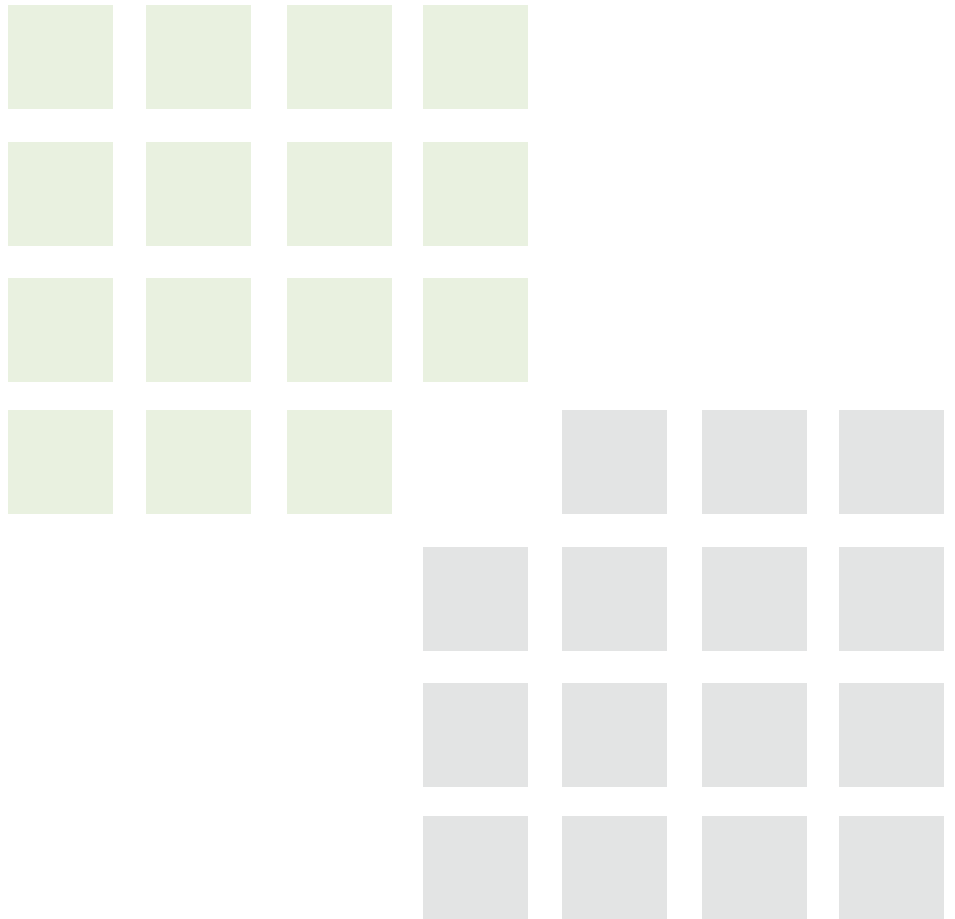


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Nationwide Depots

# Geotextile Products





# Geotechnical Solutions

Providing expert solutions  
to the civils and construction industries

## Miers Geotechnical Solutions

Miers Geotechnical provide complete solutions from specifying to support and advice. We offer cost effective and high performance solutions which we then deliver through our extensive UK network of depots.

### SPECIFYING



We can work with you on your projects tailoring a solution to your needs providing both cost effective and high performance products.

### DISTRIBUTION



Miers Construction Products have an extensive network of branches throughout the UK enabling us to quickly deliver your solution direct to your site.

### ON-SITE SUPPORT



Supporting you through your project to ensure you have the expertise you need.

## Geotextiles

At Miers we provide an extensive range of geotextiles, woven and non-woven for many applications including separation, filtration, erosion control, drainage, reinforcement and many other areas in the civils and construction industries. Whatever the site requirements, Miers geotextiles can provide a solution to your project needs.



### Applications

- Reinforcement and protection
- Filtration and drainage
- Soil & granular fill separation
- Coastal defence



### Features

- Various strengths, woven & non-woven
- Cost effective solutions
- Quick & easy installation
- Protection against erosion of coastlines



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## Geogrids



Miers provide a range of both biaxial and uniaxial geogrids which are used to enhance soil shear strength and soil stiffness and they do this by performing reinforcement and stabilisation. Used in a wide range of applications from basal reinforcement to load transfer platforms.

**MACCAFERRI**

**TCS**  
GEOTECHNICS

### Applications

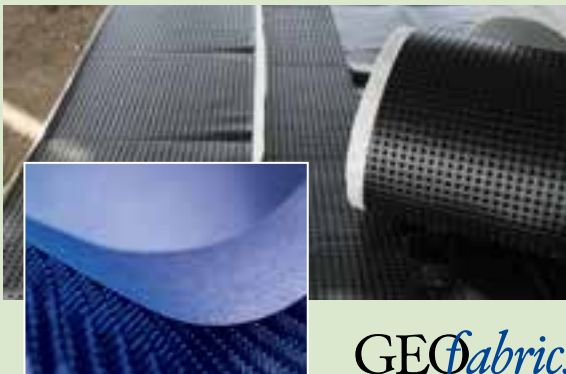
- Temporary and permanent haul roads
- Piling platforms
- Retaining walls and noise bunds

### Features

- Extensive ranges
- Reduction of aggregate layer thicknesses/costs
- Ease of handling & quick installation

## Geocomposites

Manufactured from high density polyethylene, extruded into a range of different thickness HDPE. The membranes are then vacuum formed into geocusped cores between 6mm and 25mm thick then a filter geotextile is bonded on one or both sides. Used for drainage and gas venting for both horizontal and vertical applications.



**GEOfabrics™**

### Applications

- Horizontal and vertical drainage
- Gas venting
- Underground reservoirs
- Landfill and contaminated land capping
- Green roofing systems and sports grounds

### Features

- Substantial cost savings compared with traditional solutions
- Quick and easy installation
- Reduced excavation & import costs
- No need for heavy plant on site
- UK manufacture

## Erosion Control



**Cellular**



**Bio**



**Non Bio**

**Greenfix**  
Soil Stabilisation and  
Erosion Control Specialists

Providing a wide range of biodegradable and non biodegradable erosion control matting which can be pre-seeded depending on site requirements. Range of cellular confinement systems for tree root protection as well as soil erosion protection to slopes are also available.

### Applications

- Embankments & slopes
- Riverbanks & wetlands
- Tree root protection

### Features

- Lightweight and easy to install
- Pre-seeded options available
- Prevention of soil erosion

Nationwide Depots

Available in a woven or welded mesh and in various sizes/finishes depending on design and application requirements. Reno mattresses are also available in a double twisted hexagonal woven steel wire mesh. Delivered flat packed, they can be assembled and filled with stones on site to form flexible, permeable and monolithic structures such as retaining walls, channel linings, hydraulic control structures and erosion protection.



## Gabions

### Applications

- Retaining walls
- Environmental protection
- Hydraulic control structures
- Channel linings
- Architectural applications

### Features

- Full design service available
- Aesthetically pleasing
- Easy to install

**MACCAFERRI**

## Paviour Systems

Miers now offer various paving systems that are manufactured from specially recycled plastics. Ecogrid has a patented locking system and carries all of the necessary independent trade approvals. The Ecogrid Paving system is tried and tested in various applications from car parks and driveways to horse menages and green roofs.



**ECOGRID®**

### Applications

- Site setup and access roads
- Car parks and driveways
- Horse menages and green roofs
- Cycle paths and campsites
- Fire access roads

### Features

- Lightweight
- SUDS approved
- Quick and easy installation
- Grass, gravel and sin options
- Recycled plastics

## Other Products



**Greenfix**  
Soil Stabilisation and  
Erosion Control Specialists

**MACCAFERRI**

**ECOGRID®**

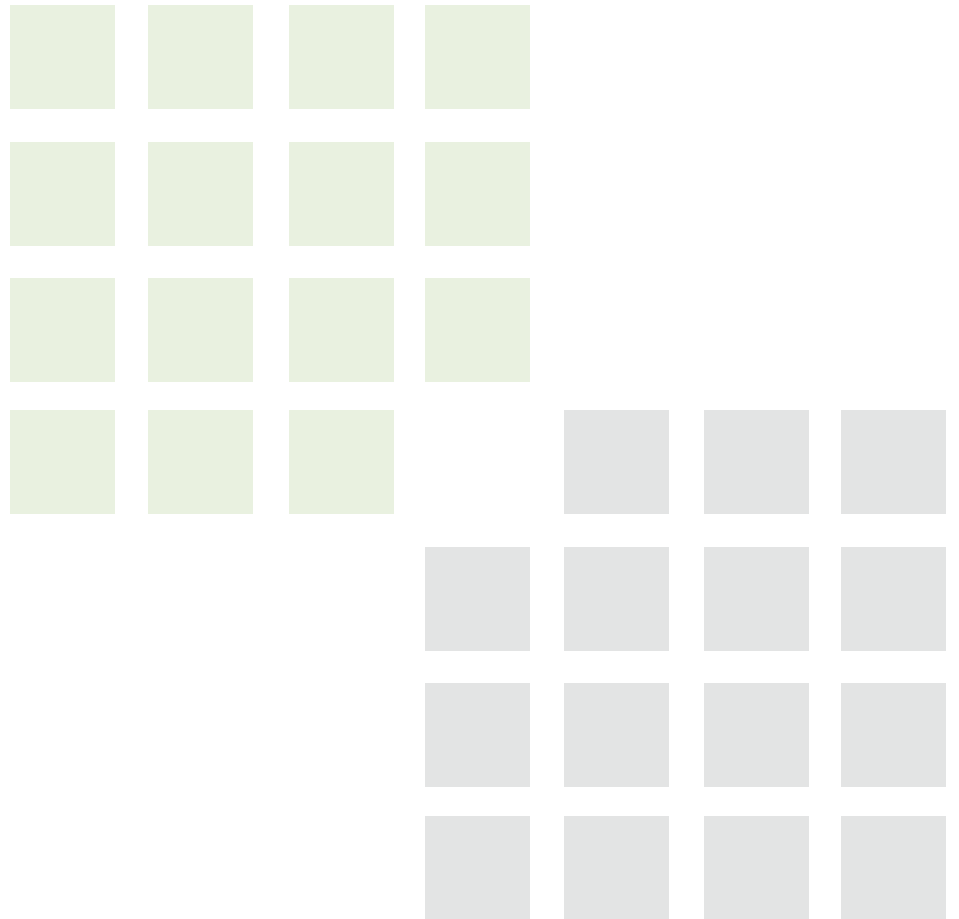
**VISQUEEN**  
BUILDING PRODUCTS

**TCS**  
GEOTECHNICS



Miers can offer additional geotechnical products besides those listed. From silt fencing, temporary flooring, membranes, geosynthetic clay liners to Japanese knotweed barriers, weed control barriers and aluminium recessed covers, Miers can provide your site a full project geotechnical offering.

# Structural Waterproofing and Gas Proofing





## Guidelines and Solutions

BS8102 gives recommendations and guidance on methods of waterproofing structures below or near to ground level. Chapter 5.4 of the NHBC guidelines gives guidance on meeting the technical requirements for such structures.

The guidelines include the following:

**A waterproofing specialist should be included as part of the design team so that an integrated waterproofing solution is created.**

**The solutions offered are also categorised by the standard and a summary of the different types of solution is shown below.**

Cavity drain membrane	Semi-flexible sheet, designed to form a cavity, that intercepts water penetrating the structure, and directs it to a suitable drainage point. See Type C drained cavity construction.
Fully bonded barrier	Type A barrier that forms part of a composite with the structural wall. Includes liquid applied and cementitious systems. Note: post-applied sheet membranes are not considered to be fully bonded barriers for the purposes of this Chapter.
Ground barrier	A barrier used to resist the ingress of moisture and/or ground gasses into the building.
Lowest finished floor level	The top surface of the lowest finished floor (excluding coverings such as carpet and tiles). Note: this includes lift pit floors, car park surfaces and other similar surfaces.
<b>Type A</b> waterproofing barrier	A waterproofing barrier applied to the structural element being waterproofed. Also known as tanking.
<b>Type B</b> structurally integral construction	The water-resistant properties of the retaining structure, providing waterproofing to the building. Note: this Chapter provides specific guidance for the use of Type B concrete systems cast in-situ, with or without waterproofing admixtures. Where appropriate, the principles are also applicable to other Type B systems listed in BS 8102.
<b>Type C</b> drained cavity construction	Construction that incorporates a cavity, normally formed with a cavity drain membrane. Water is removed from the cavity via a managed drainage system.
Waterproofing design specialist	A suitably qualified person co-ordinating the team involved in the design of waterproofing to basements and other below ground structures.
Waterproofing system	A fully assessed and certified system of compatible materials and components used to provide waterproofing. These are normally considered to be Type A, B or C as defined above.

Extract from Chapter 5.4 of the NHBC guidelines

# Type A Water Proofing Barriers Applied to the Structural Element

Fully bonded waterproofing barrier (applied to the structural element being waterproofed and forms part of a composite structural wall)

## ■ Mapei Mapeproof HW



Mapeproof HW waterproofing membrane is composed of sodium bentonite encapsulated between two polypropylene geotextile fabrics – a nonwoven and a woven fabric – at a rate of 1.13 lbs. per sq. ft. (5,5 kg per m<sup>2</sup>). The nonwoven fabric is needle punched through to the woven fabric, with thousands of fibers mechanically locking the sodium bentonite clay in place. After backfill is placed and confined under pressure, Mapeproof HW hydrates and forms a monolithic waterproofing membrane when exposed to moisture. Mapeproof HW contains zero VOCs and can be installed in most weather conditions as well as to green concrete.



## ■ Fosroc Proofex Engage

Proofex Engage is a pre-applied membrane which mechanically bonds to poured concrete.

This unique patented waterproof membrane system incorporates a cell mesh, bonded to a blended polyethylene polypropylene membrane, which allows poured concrete to interlock, forming a tenacious mechanical bond.

Proofex Engage provides water, water vapour and gas protection to water excluding structures and protects concrete from aggressive ground salts, chemicals and hydrocarbons.



## ■ Visqueen Ultimate Geoseal



Visqueen Ultimate Geoseal is a pre-applied membrane designed to comply with current guidance on waterproofing, Volatile Organic Compounds (VOCs) and ground gases.

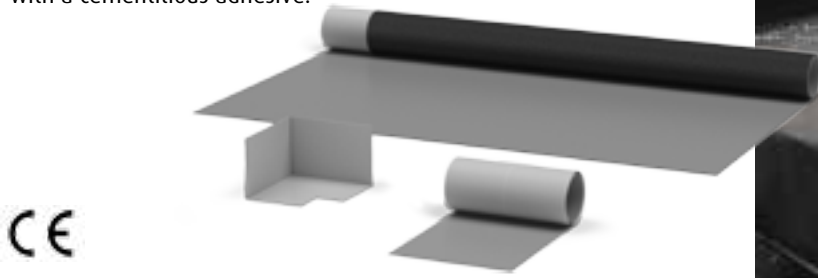


## Nationwide Depots

# Type A Water Proofing Barriers Applied to the Structural Element

## ■ DualProof L800

DualProof is a fully and permanently bonded, self adhesive, composite sheet membrane waterproofing system. It consists of a highly flexible PVC membrane laminated with a non-woven PP-fleece. DualProof is cold-applied and pre-applied, as it is installed without heat or open-flames, and before the steel reinforcement is fixed and the concrete is poured. It can also be post applied with a cementitious adhesive.



Fully bonded – Cementitious applied

## ■ Flexcrete Cementitious Coating 851



Cementitious Coating 851 is designed for internal and external structural waterproofing of concrete and other mineral substrates. Cementitious Coating 851 resists positive and negative pressure under 100m head in water retaining and below ground structures as well as roofs and decks. It provides chloride protection on highway and coastal structures and enhances the durability of reinforced concrete by reinstating effective cover to achieve the specified design life.



## ■ Mapei Mapelastic Foundation

Mapelastic Foundation is a two-component mortar based on cementitious binders. Mapelastic Foundation is completely waterproof against positive pressure, and is waterproof against negative pressure of up to 1.5 atm (15m column of water). Once cured, it is resistant to soluble salts which are present in sea water or in the ground, such as chlorides and sulphates. Mapelastic Foundation also has excellent bonding strength on all cementitious substrates if they have been suitably prepared.



## Nationwide Depots

# Type A Water Proofing Barriers Applied to the Structural Element

## Fully bonded liquid applied

### ■ Triton Triseal



A solvent free, two-part epoxy resin coating primarily for use on screeded or concrete floors subject to rising damp or containing residual construction moisture. Triton Triseal is both a surface damp proof membrane and a water vapour suppressant. Also used under raised access floors, in plant rooms and bunded areas to contain water and mild chemicals.

CE

### ■ Triton TWS-Poly S

TWS-Poly S is a 2-component, pure Polyurea system for elastic membrane application with crack-bridging capability. It is an extra fast curing system that can only be applied by twin nozzle, heated spray unit. TWS-Poly S can be combined with different geotextiles to obtain on-site applied, seamless liners or coatings.



CE

### ■ Visqueen Axiom Uniseal



Visqueen Axiom Uniseal is a multi-use liquid waterproofing membrane in a two part system: the first component a bitumen-extended polyurethane fluid with a secondary part an accelerator hardener. This unique system cures rapidly to give a continuous tough rubber-like, fully bonded waterproofing coating.

CE

## Nationwide Depots



# Type A Water proofing barriers applied to the structural Element

## Post applied membrane (applied with adhesive to completed structure)

### ■ Fosroc Proofex 3000

A high performance self adhesive membrane for a range of waterproofing and radon barrier applications including basements and substructures. Proofex 3000 provides a vapour, radon and waterproof membrane to water excluding structures and protects concrete from attack by aggressive ground salts.



### ■ Visqueen Self Adhesive Membrane



Visqueen Self Adhesive Membrane is for use in vertical tanking or horizontal self adhesive applications, such as underground basements, lift pits or retaining walls when installed in accordance with BS8102:2009. It is recommended that substrates are always primed with Visqueen HP Tanking Primer, concrete, masonry or steel at or below ground level.



### ■ Mapei Mapethene EQ

Mapethene EQ is a self-adhesive bituminous membrane made from a mixture of bitumen and special polymers sandwiched to a film of high density polyethylene (HDPE). Mapethene EQ is used to waterproof the outer surface of concrete, brick and block-built foundations, basements and underground garages.



## Nationwide Depots

# Type B Structurally Integral Construction

## ■ Triton TT Admix



A unique chemical treatment for the waterproofing and protection of concrete, which is added to concrete at time of batching. The active chemicals in the TT Admix react with fresh concrete to generate insoluble crystalline growths, which seal the concrete against water penetration and protect the concrete against harsh environmental conditions. Packed as a dry powder compound, TT Admix consists of Portland cement, very fine treated silica sand and various active proprietary chemicals. The functional, active components of the TT Admix remain available within the cured concrete and are reactivated should minor cracking or movement occur when water is present.



## ■ Triton TT Waterstop

The use of Triton TT Waterstop and Triton TT Swellmastic S2 is a critical part of the TT Admix Watertight Concrete System. Triton TT Waterstop is supplied as a 20mm x 25mm pre-formed waterstop in a ready to use roll. It has a built in delay system and the product activates after 2 days of exposure to water. Once activated, it will withstand up to 40m head of water pressure. When fully encapsulated by poured concrete, the expansive forces form a seal against concrete surfaces. The seal resists hydrostatic pressure, stopping water from entering the sub-structures. Triton TT Waterstop will return to its original size if the concrete and substrate is completely dry and re-expand if water or moisture is introduced again to the joints.



## ■ Triton TT Swellmastic S2



Triton TT Swellmastic S2 is a one part, ready to use hydro-reactive expansion mastic for the sealing of construction joints and around pipe penetrations. In contact with water Swellmastic expands to around 350% of its original volume.



## ■ Idocrete KR 1000



Idocrete KR 1000 is a powder admixture made from special hydrophilic components which, when added to a concrete mix, reduces the permeability of hardened concrete.



## Nationwide Depots

# Type B Structurally Integral Construction

## ■ CEMflex VB

CEMflex VB is a waterstop consisting of a galvanised steel plate covered in a coating which reacts with alkalis to provide a watertight joint for use in all non-movement construction joints in concrete.



## ■ Fosroc Conplast WP402

Conplast WP402 is designed for use as an integral resistant additive for ready mixed concrete.



## ■ CEMflex LCA115

CEMflex LCA115 is an easy to use economical liquid crystalline waterproofing concrete admixture.



## ■ Fosroc SW20



Supercast SW sections are made from high performance synthetic elastomeric strips. The swelling action of the Supercast SW range is the result of contact between water and hydrophilic groups which are an intimate part of the Supercast SW polymeric structure. These hydrophilic groups are not subject to extraction and loss of swelling performance by prolonged or repeated wetting. Expansion of the waterstop creates a positive pressure against the faces of the concrete.



## ■ Bentobar 20mm x 25mm

Hydrophilic swelling tape made of sodium bentonite and butyl rubber for preventive sealing of working joints and as a system component for bentonite mats.



## ■ Polybar 20mm x 5mm

Hydrophilic water stop based on synthetic rubber that acts as watertight seal for construction joints with excellent swelling capabilities. Retains its own form in multiple dry-wet cycles. Can be mechanically fixed with nails or adhered with adhesive.



## ■ Mapie Idrostop 10

Idrostop 10 is a 20 x 10mm preformed flexible acrylic polymer strip designed to form watertight construction joints. Due to its chemical composition Idrostop gradually expands when in permanent contact with water, creating an active barrier against pressurized water. Idrostop 10 works well in saline and alkaline conditions.



## ■ Mapie Idrostop Soft

Idrostop Soft is a 20 x 25mm preformed profile made from a mixture of natural sodium bentonite and butyl rubber and it swells in contact with water closing up water paths through construction joints. Idrostop Soft is highly flexible and easy to apply and exhibits excellent swelling characteristics compared to conventional bentonite only waterstops.



## Nationwide Depots



# Type C Drained Cavity Construction

## ■ Triton Platon P8

A high-density polyethylene (HDPE) cavity drain membrane which is impermeable and resistant to most chemicals used in building construction. Tough but pliable enough so that it can be formed around corners and projections without the risk of breaking, even in very low temperatures. The product can be easily cut with a knife or scissors.



## ■ Triton Platon P20

P20 is a high capacity drainage membrane recommended for use on all floor applications below ground due to its ability to control free flowing water. The deep stud profile is designed to resist blockages caused by lime deposits. P20 Sheet is recommended for easier detailing around columns and access covers etc.



## ■ Triton Platon Double Drain



Platon Double Drain is a dual layer external drainage and protection membrane for use on retaining walls, terraces, balconies, podium decks etc.



## ■ Visqueen V8



The studded membrane is used as a wall membrane and part of the Visqueen Cavity Drain System. Used for internally tanking basements, sub structures and retaining walls within new, existing and retrofit build projects.



## ■ CEMdrain 8

CEMdrain 8 is a high density 8mm dimpled membrane which may be used as part of type C drainage protection.



## ■ CEMdrain 20



CEMdrain 20 is a high density 20mm dimpled membrane which may be used as part of type C drainage protection.



## ■ Visqueen V20

The studded membrane is used as a floor membrane as part of the Visqueen Cavity Drain System. The system is typically used for internally tanking basements within new, existing and retrofit build projects.



# Nationwide Depots

# Waterproofing Combined with Gas Barrier

## ■ Triton TT Vapour Membrane

A ready blended coating that once cured, provides a waterproof Radon, Methane and Carbon Dioxide barrier. Triton TT Vapour Barrier can be retro-applied as a waterproof and gas-proof membrane to concrete, masonry and brick substrates or as an alternative to sheet membranes in new construction. It can be applied by airless spray, roller or brush to walls, floors and soffits.



CE

## ■ Visqueen Ultimate Geoseal

Visqueen Ultimate Geoseal is a pre-applied membrane designed to comply with current guidance on waterproofing, Volatile Organic Compounds (VOCs) and ground gases.



CE

## ■ Visqueen Gas Resistant GR Self Adhesive Membrane



Visqueen Gas Resistant (GR) Self Adhesive Membrane is designed to prevent the transmission of carbon dioxide, radon and methane gases in tanking applications or where hydrostatic pressure is present.



CE

## ■ Fosroc Proofex 3000MR

A high performance self adhesive membrane for resisting methane, radon and CO<sub>2</sub>, and preventing water entering buildings. Proofex 3000MR also provides a vapour and waterproof membrane to water excluding structures and protects concrete from attack by aggressive ground salts.



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## Nationwide Depots

## ■ Visqueen Pile Cap Sealer



Visqueen Pile Cap Sealer is a specialised formulation for use within ground pile caps to help provide a complete system.

## ■ Liquid Membranes

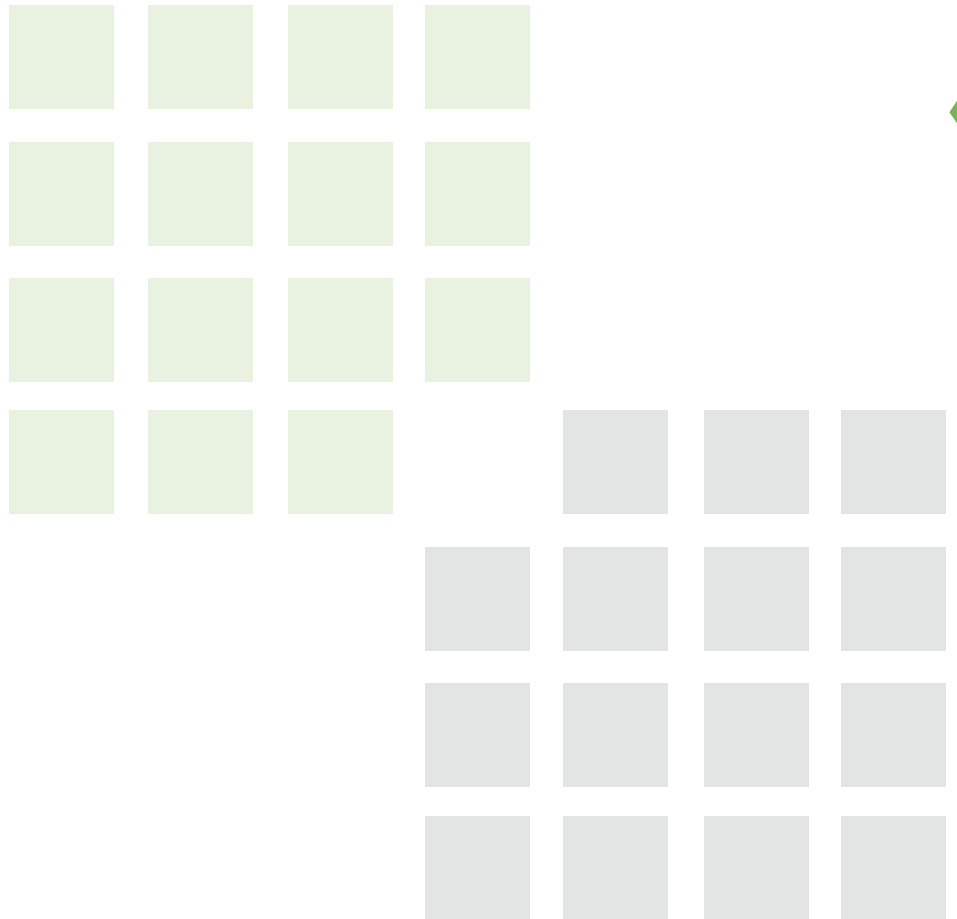
### ■ Miers Liquid Asphaltic Compound

Miers Liquid Asphaltic Compound is bitumen based for application as a DPM in solid floor construction, external waterproofing to buried concrete or as a tanking membrane. Typically it is brush applied in two coats and can be used all year round. Miers Liquid Asphaltic Compound is not recommended for exposed applications.

A full range of accessories are available  
to suit all Structural Waterproofing Products

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## Visqueen Products



## ■ Visqueen Radon Membrane

**Offers a safe solution from radon gas**



### Advantages

- Independently tested for radon resistance
- BBA Certified
- Also acts as a Damp Proof Membrane
- Complies with BR 211: 2015

### System Components

- Visqueen Double Sided Joining Tape
- VisqueenPro Single Sided Tape
- Visqueen Top Hat Units
- Visqueen TreadGUARD1500
- Visqueen Pro Detailing Strip
- Visqueen Radon Sump



## ■ Visqueen Low Permeability Gas Membrane

**Used for Radon NHBC amber 1 site conditions**

### Advantages

- Approved for use in NHBC Amber 1
- High quality robust co-polymer thermoplastic membrane
- Supplied in centre folded sheeting which reduces the risk of cracks in screed
- A high performance radon membrane
- BBA Certificate 13/5069



### System Components

- Visqueen Double Sided Joining Tape
- Visqueen Gas Resistant (GR) Foil Tape
- Visqueen Top Hat Units
- Visqueen TreadGUARD1500
- Visqueen Pro Detailing Strip



## ■ Visqueen Gas Barrier

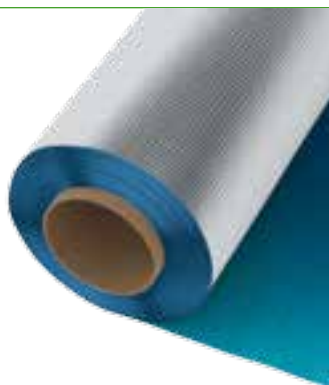
**Protection of buildings against methane, radon and carbon dioxide**

### Advantages

- BBA approved, fully complies with BS8485:2015
- Low permeability to methane, radon and carbon dioxide
- Approved for use in NHBC Amber 2 applications
- Multi-layer reinforced LDPE membrane with aluminium core
- High puncture and tear resistance

### System Components

- Visqueen Double Sided Joining Tape
- Visqueen Gas Resistant (GR) Foil Tape
- Visqueen Top Hat Units
- Visqueen TreadGUARD1500
- Visqueen Pro Detailing Strip



## ■ Visqueen Ultimate RadonBlok 400

**A unique high performance co-polymer thermoplastic radon barrier for use from sealing floors to walls**

### Advantages

- Irish Agreement Board Certificate No.05/0214 - Radon Barrier System
- CE Mark EN13967 - Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet.
- Resistance to moisture in accordance with Technical Guidance Document C
- Used above or below concrete floors in accordance with Visqueen design specification

### System Components

- Visqueen RadonBlok Double & Single Sided Joining tape
- Visqueen Preformed Units and Top Hats
- Visqueen Axiom UniSeal
- Visqueen Zedex CPT High Performance DPC



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## ■ Visqueen Ultimate RadonBlok 600

**A unique high performance co-polymer thermoplastic radon barrier for use in extreme conditions from sealing floors to walls**



### Advantages

- Irish Agreement Board Certificate No.05/0214 - Radon Barrier System
- CE Mark EN13967 - Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet
- Resistance to moisture in accordance with Technical Guidance Document C
- Above or below concrete floors in accordance with Visqueen design specification

### System Components

- Visqueen Ultimate RadonBlok welded system
- Visqueen TreadGuard.



## ■ Visqueen Ultimate Geoseal

**Flexible pre-applied membrane textured on one side to aid adhesion to concrete**



### Advantages

- Conforms in full to BS8102:2009, CIRIA C748 and BS8485:2015
- Unique pre-applied and gas resistant membrane
- Excellent VOC & methane barrier resistance
- Exceptional puncture resistance
- For waterproofing applications to BS8102:2009 type A
- Slab edges and permanent shutter work
- Tanking below ground structure e.g. lift pits
- VOC/Hydrocarbon contaminated sites in accordance with CIRIA C748
- Carbon dioxide and methane sites in accordance Structural with BS8485:2015

### Components

- Visqueen Ultimate Double Sided Bonding Tape
- Visqueen Ultimate Lap Tape
- Visqueen Ultimate Retaining Disk



## ■ Visqueen Ultimate VOC BLOK

**Flexible membrane gas membrane**



### Advantages

- Conforms in full to CIRIA C748 and BS8485:2015
- Excellent VOC and methane barrier resistance
- NO protection required
- Flexible even at low temperatures – limits stress cracking
- For VOC/Hydrocarbon contaminated sites in accordance with CIRIA C748
- Carbon dioxide and methane sites in accordance with BS8485:2015
- Radon affected sites in accordance with BRE211:2015
- Damp protection in accordance with Building Regulations part C

### System Components

- Visqueen Ultimate Double Sided Bonding Tape
- Visqueen Ultimate Lap Tape
- Visqueen Ultimate Top Hat Units
- Visqueen Pro Detailing strip



## ■ Visqueen Ultimate HC BLOK

**Flexible 0.5mm thick coextruded gas membrane**

### Advantages

- Conforms to CIRIA C748 and BS8485:2015
- Excellent VOC (vapour) and methane barrier resistance
- Exceptional flexibility and puncture resistance
- Outstanding welding characteristics, saving time and costs
- For VOC/Hydrocarbon (gaseous phase) contaminated sites in accordance with CIRIA C748
- Carbon dioxide and methane sites in accordance with BS8485:2015
- Radon affected sites in accordance with BRE211:2015
- Damp protection in accordance with Building R Gas regulations part C



### System Components

- Visqueen Ultimate Double Sided Bonding Tape
- Visqueen Ultimate Lap Tape
- Visqueen Ultimate Top Hat Units

- Visqueen Pro Detailing strip



## ■ Visqueen Zedex CPT High Performance DPC

**Co-polymer thermoplastic (CPT) DPC for all types of building construction**

### Advantages

- Outperforms all other high performance flexible DPCs
- Contains no hazardous pitch or PVC plasticizers
- Excellent tear resistance under high compressive loads
- Low permeability to radon
- BBA Certificate No.94/3059
- Suitable for use as a DPC in all types of building construction
- High loading applications
- Can be used in vertical, horizontal, stepped and cavity tray applications high tear and puncture resistant
- Radon resistant DPC

### System Components

- Visqueen Zedex Jointing Tape
- Visqueen DPC Surface Fixing System Strip/Pins
- Visqueen Preformed Cavity Tray Units
- Visqueen Pro Detailing Strip



## ■ Visqueen Gas Resistant DPC

**Flexible DPC with an aluminium foil**



### Advantages

- Aluminium foil to resist methane, CO<sub>2</sub>, radon and low levels of hydrocarbon
- Conforms to BS8485:2015
- Use as part of an integral gas protection system
- Independently assessed
- Use on any site where methane, CO<sub>2</sub>, radon or low level hydrocarbon vapours are a problem
- Suitable for vertical, horizontal, stepped and cavity tray applications

### System Components

- Visqueen Zedex Jointing Tape
- Visqueen Gas Resistant (GR) Foil Tape
- Visqueen DPC Surface Fixing System Strip/Pins
- Visqueen Preformed Cavity Tray Units
- Visqueen Pro Detailing Strip



## ■ Visqueen Self Adhesive Membrane (SAM)

**Tanking waterproofing system for vertical tanking or horizontal self adhesive applications**

### Advantages

- Self-adhesive membrane for above and below ground applications
- Tough, high performance, high density polyethylene membrane
- Provides resistance to puncture and tearing
- Use with unique Visqueen HP Tanking Primer to obtain best adhesion
- CE Mark to EN13969
- BBA 15/5208
- Used in vertical tanking or horizontal applications, such as underground basements, lift pits or retaining walls

### System Components

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Protect & Drain 6, 12 & 25
- Visqueen Top Hat Unit
- Visqueen Pro Detailing Strip



Nationwide Depots

## ■ Visqueen Gas Resistant Self Adhesive Membrane (GR SAM)

**For above and below ground applications where carbon dioxide, radon or methane are present**



### Advantages

- Self-adhesive membrane for above and below ground application
- Superior adhesion and waterproofing qualities
- Integral aluminium foil for resistance to methane, radon and carbon dioxide
- BBA 15/5208 certified
- For sites previously used for landfill as a result of bacteriological conditions

### System Components

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Top Hat Unit
- Visqueen Pro Detailing Strip
- Visqueen Protect & Drain 6, 12 & 25



## ■ Visqueen TorchOn Tanking Membrane

**Robust waterproofing membrane, used for heavy duty tanking and gas proofing applications**

### Advantages

- Robust tanking membrane
- Ideal for cold weather application
- Suitable for gas protection applications
- Torch bonded laps provide a homogenously sealed junction
- Used in basements, car parks, lift pits, reinforced concrete slabs and retaining walls
- BBA 15/5208 certified
- Used below ground structures where high levels of water pressure exist
- Used as a horizontal damp proofing membrane or in low risk situations



### System Components

- Visqueen High Performance (HP) Tanking Primer
- Visqueen Protect & Drain 6, 12 & 25
- Visqueen Top Hat Unit



## ■ Visqueen Preformed Units

**Preformed cavity tray units for detailing at columns, corners, windposts, change of levels**

### Advantages

- Manufactured in the UK from specially formulated, flexible co-polymer material
- Designed to simplify the damp proofing of complex cavity tray junctions
- Speeds up cavity tray installation and eliminates leakage paths
- Ensures compliance with industry recommendations and standards
- Built-in and surface fixed units available
- Free on-site service for design of project specific Preformed units



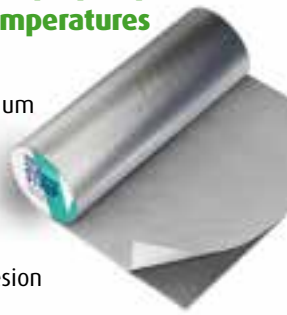
# Nationwide Depots

## ■ Visqueen Pro Detailing Strip

**Superior adhesion to concrete, polyethylene and steel at wide ranging temperatures**

### Advantages

- Self adhesive silver faced, aluminium lined film
- 2 x superior adhesion in cold weather
- Ideal for complex junctions, stanchions and terminations
- Utilises Visqueen's advanced adhesion technology
- BBA approved with Visqueen Damp, Gas and Tanking membranes
- Used with Visqueen HP Tanking Solution to obtain best performance



### Supplied as:

300mm x 10m rolls
500mm x 10m rolls



## ■ Visqueen High Performance Tanking Primer

**Black, elastomeric bituminous priming solution designed for use with Visqueen products**

### Advantages

- Gives superior bond on torch applied and self adhesive membranes
- Ideal for application in low temperatures (down to -4°C)
- Suitable for green concrete and damp surfaces
- Quick and easy to apply



### Supplied as:

5 litre Cans
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## ■ Visqueen TreadGUARD1500

**100% recycled embossed board designed to protect membranes from general footfall**



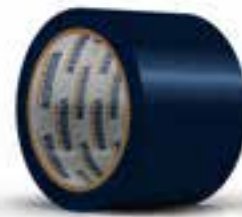
### Advantages

- Protects membranes from damage
- Tough, durable and non-compressive
- Part of the BBA Approved System
- Complies with BS 8102:2009



## ■ Visqueen Megafilm Flame Retardant (FR) Tape

**Ribbed flame retardant tape coated with a rubber based clear adhesive system**



### Advantages

- Resists Moisture & Gas ingress
- Excellent adhesion
- BBA Approved

### Supplied as:

75mm x 33m rolls
------------------



## ■ VisqueenPro Double Sided DPM Jointing Tape

**High performance double sided butyl mastic tape for damp proof membrane joints**



### Advantages

- Resists moisture & gas ingress
- Excellent adhesion
- BBA Approved
- Part of the VisqueenPro 2 part system

### Supplied as:

50mm x 10m rolls
------------------



## ■ VisqueenPro Single Sided DPM Jointing Tape

**Fibre reinforced tape coated with a high tack aggressive adhesive system for sealing laps in damp proof membranes**



### Advantages

- Independently tested for peel and adhesion
- Crossweave film for excellent anti-tear properties
- Part of the BBA approved DPM jointing system

### Supplied as:

75mm x 25m rolls
------------------



Nationwide Depots



## ■ Visqueen Zedex DPC Jointing Tape

**A high performance double sided butyl tape**

### Advantages

- Resists moisture & gas ingress
- Excellent adhesion
- BBA Approved



**Supplied as:**

100mm x 15m rolls



## ■ Visqueen Single Sided Vapour Jointing Tape

**High Performance VCL is suitable for forming airtight seals at joints**



### Advantages

- Outstanding working temperature range -40°C to 40°C
- Exceptional adhesion to polythene, wood and metal
- Displaces moisture ensuring good bond to surface

**Supplied as:**

50mm x 15m rolls



## ■ Visqueen Double Sided Vapour Tape

**High Performance VCL is suitable for forming airtight seals at joints**



### Advantages

- Utilises Visqueen's advanced adhesive technology
- Outstanding appliance temperature range -40°C to 40°C
- Exceptional adhesion to wood and metal
- 30x more aggressive than standard adhesive systems at low temperatures
- Displaces moisture ensuring good bond to surface

**Supplied as:**

20mm x 50m rolls



## ■ Visqueen Gas Resistant (GR) Foil Tape

**For sealing gas membranes (Visqueen LPGM, Visqueen Gas Barrier and Radon)**



### Advantages

- Provides a gas tight seal for gas membrane overlaps
- Secures gas membranes to DPCs
- Part of BBA Approved Gas Membrane systems

**Supplied as:**

75mm x 50m rolls



## ■ Visqueen UDG Double Sided Tape

**For bonding together Visqueen UDG Membranes and permeable paving**



### Advantages

- Bonds and seals Visqueen UDG Membranes (no more than 2 units deep)
- Excellent adhesion

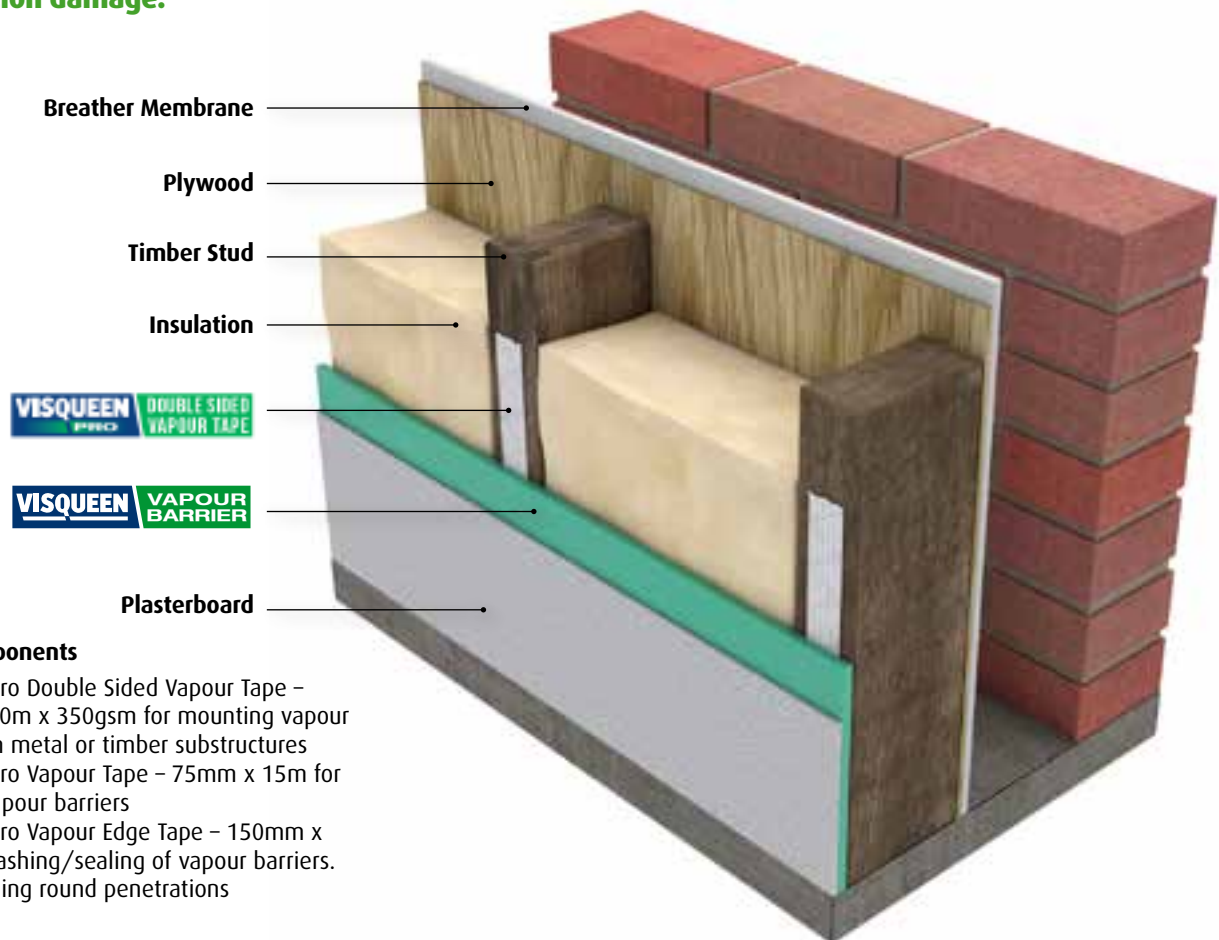
**Supplied as:**

100mm x 15m rolls



## ■ VisqueenPro Vapour Barrier Tape System

VisqueenPro's new high performance range of vapour control tapes, when installed correctly with Visqueen Vapour Barrier membrane (also known as Vapour Control Layers, VCLs), restrict vapour permeation and increase the thermal efficiency of buildings. Visqueen's Vapour Control system is part of a "Build tight-Ventilate right" strategy and protects insulation from condensation damage.



### System Components

- VisqueenPro Double Sided Vapour Tape – 20mm x 50m x 350gsm for mounting vapour barriers on metal or timber substructures
- VisqueenPro Vapour Tape – 75mm x 15m for jointing vapour barriers
- VisqueenPro Vapour Edge Tape – 150mm x 15m for flashing/sealing of vapour barriers. Also detailing round penetrations

## ■ VisqueenPro Double Sided Vapour Tape

### Advantages

- Utilises Visqueen's advanced adhesive technology
- Outstanding appliance temperature range -40°C to 40°C
- Exceptional adhesion to wood and metal
- 30x more aggressive than standard adhesive systems at low temperatures
- Displaces moisture ensuring good bond to surface



## ■ VisqueenPro Vapour Jointing and Pro Edge Tape

### Advantages

- Super aggressive foil laminate adhesion
- Performs effectively in sub-zero temperatures
- Multi surface tape
- Water vapour tight seal
- Puncture resistant



**VISQUEEN PRO** VAPOUR BARRIER TAPE SYSTEM

Nationwide Depots

## ■ Visqueen AXIOM Guard System



**Visqueen AXIOM Guard system is a unique single component polyurethane liquid membrane. The system gives superior adhesion to concrete, polyethylene and steel at wide ranging temperatures. Tested and compared to standard bitumen adhesives at low temperatures and has over twice the peel and adhesion properties. New adhesive has proven to work at below 5°C**

### Advantages

- New liquid technology giving superior performance
- No complicated pre-mixing
- Formulated grade for below ground applications
- Excellent weather and UV resistance
- Fast curing, elastic and flexible at extreme temps
- BBA approved with Visqueen Damp, Gas and Tanking membranes
- Ideal for complex junctions, stanchions and terminations

### System Components

- AxioM Guard H+ for Horizontal Applications
- AxioM Guard V+ for Vertical Applications
- AxioM Primer for priming and sealing surfaces
- Visqueen Pro Detailing Strip made of a silver faced, aluminium lined film utilising Visqueen's advanced self adhesive system, supplied in 300mm x 10m rolls.



## ■ Visqueen AXIOM Guard Primer

**One component, polyurethane based primer suitable for all substrates**

### Advantages

- Highly penetrative formulation
- Same-day primer
- Quick & easy to apply
- Part of the Visqueen AXIOM Guard liquid waterproofing system
- BDA approved

### Applications

- Brick
- Metal
- Wood
- In blockwork applications Visqueen recommend Visqueen AXIOM UniSEAL as one part waterproofing solution.



## ■ Visqueen AXIOM Guard V+

**Single component waterproofing membrane for vertical surfaces.**

### Advantages

- Offers a safe solution for the protection of buildings and occupiers against damp radon and on NHBC amber 1 site conditions
- For external Tanking, basements, substructures
- Retaining walls
- Superstructures
- For Concrete, Brickwork, Timber or Steel
- Visqueen recommend 2 coats in this application therefore to aid installation we offer 2 colours – white (1st coat) and grey (2nd coat).
- The use of a two-colour system allows the easy identification of any areas that have been missed with the second coat. Use with Visqueen AXIOM Guard Primer



## ■ Visqueen AXIOM Guard H+

**Single component waterproofing membrane for horizontal surfaces**

### Applications

- Offers a safe solution for the protection of buildings and occupiers against, damp radon and on NHBC amber 1 site conditions
- External Tanking, basements, substructures
- Retaining walls
- Superstructures
- For Concrete, Brickwork, Timber or Steel
- Visqueen recommends 1 coat in this application with a 15 kilo tin covering coverage of 10m2. Use with Visqueen AXIOM Guard Primer



## ■ Visqueen Axiom Uniseal

**Two part liquid membrane system which cures rapidly to give a continuous tough rubberlike, fully bonded waterproofing coating for various applications**

### Advantages

- New liquid technology giving superior performance
- Perfect for detailing irregular profiles and penetrations
- Creates a fillet in just one pass – NO Complicated build-ups
- Fast curing, elastic & flexible at extreme temperatures
- Compliments Visqueen's self-adhesive waterproofing membranes
- Formulated for masonry applications including blockwork
- BDA approved  
BAB 18-077/02/A

### Applications

- Fillet and reinforcement material at inside corners
- Detailing irregular profiles and pipe penetrations such as steel stanchions
- Waterproofing blockwork externally and internally
- Sealing steel reinforcements
- Sealing materials at terminations



## ■ Visqueen Axiom Shield LAC

**Easy to use, high performance cold applied liquid membrane which rapidly dries to form a damp proof membrane**

### Advantages

- New liquid technology giving superior performance
- High performance DPM
- Quick & easy to apply; fast installation
- Excellent coverage rates
- BDA approved

### Applications

- Specially formulated for damp and waterproofing ground floors and behind cladding applications
- May also be applied to the internal face of external walls above ground level to prevent the penetration of moisture



## ■ Visqueen Axiom CreteSeal

**Low modulus structural concrete expansion joint sealant which cures by reaction with atmospheric humidity to produce a joint sealant with a 50% joint movement accommodation factor**



### Advantages

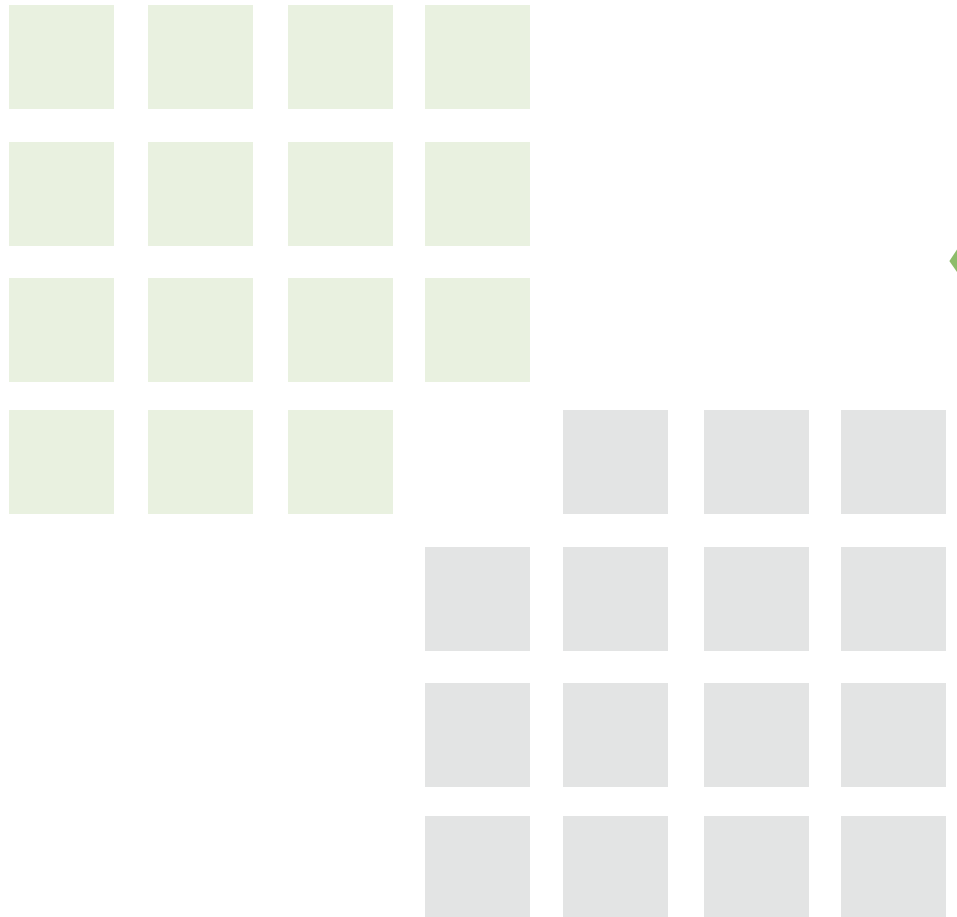
- A high performance structural concrete expansion joint sealant
- A unique one component polyurethane & silylated PU technology
- Easy to apply even at low temperatures.
- Accommodates up to 50% joint movement
- Remains elastic <0°C



Nationwide Depots

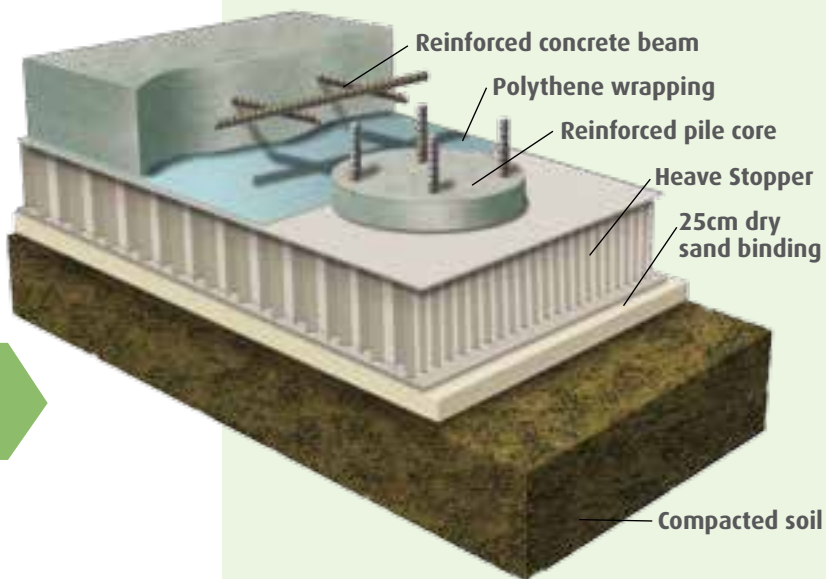


## Ground and Slab



# Heave Stopper

## Protecting structures against clay heave and ground movement



### FAST

Light and easy to use, Heave Stopper can be installed at a rate of 50m<sup>2</sup> per hour or more by one operative.

### SIMPLE

Heave Stopper can be installed either side up, is easily cut with simple hand tools and the joints do not need to be taped together.

### PRACTICAL

The close cell structure means that Heave Stopper can be trimmed tightly around pile heads and service ducts without losing the integrity of the panel.

## Environmental benefits

- Use Heave Stopper to maximise environmental and sustainability benefits
- Efficiency of void creation means less excavation, muck away, vehicle movements and landfill
- Design thinner slabs and beams using less concrete and reinforcement
- The core and facings are manufactured from 100% recycled materials
- Materials are FSC approved
- Naturally biodegradable
- Easily recycled in normal waste streams. No need for collections from site and processing at specialist facilities



## Heave Stopper Specifiers Guide

Soil Analysis Result	NHBC Category	Predicted Ground Movement potential or BRE/ NHBC requirement	Heave Stopper
Plasticity index	Shrinkage potential	Void	Thickness
10 – 20	Low	50mm	60mm
20 – 40	Medium	100mm	110mm
40 – 60	High	150mm	160mm

Heave Stopper is straight forward to specify. All Heave Stopper boards will satisfy the requirements for beams, slabs and concrete thickness up to 1 metre. For concrete pours over 1 metre a special grade of Heave Stopper is available.

## Nationwide Depots

## ■ Holding Down Bolts



Grade 8.8 (high tensile) or Grade 4.6 (mild steel)  
Bolts come complete with 100x100x10mm  
Plate Washer + Nut

Thread Size	O/A Length (mm)
M20	300
M20	375
M20	450
M20	600
M24	375
M24	450
M24	600

## ■ Denso Tape



Width (mm)	Length (m)
50	10
75	10
100	10

## ■ Bolt Boxes

Waxed cardboard



Conical

Length (mm)	Pack Size (No.)
229	400
305	300
380	200
457	100
534	100
610	70
762	50

## ■ Bolt Boxes

Polystyrene



Conical

Length (mm)	Pack Size (No.)
225	100
300	100
375	100
450	100
525	100
600	100
762	77

## ■ Bolt Boxes

Expanded metal



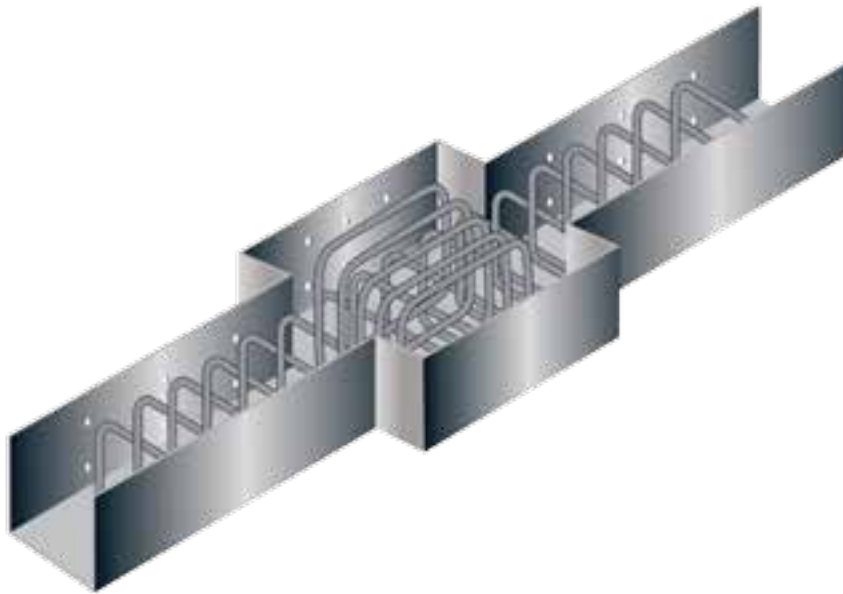
Parallel

Other sizes manufactured to order.

Length (mm)	Diameter (mm)
225	75
300	75
375	75
450	100
525	100
600	100

## ■ Corrugated Formwork

A fast & simple system for constructing concrete ground beams



Cut to size service available.

## ■ Metal Screed Chair



Type	Slab Depth Range (mm)	Pack Size (No.)
1	120 - 155	1
2	145 - 205	1
3	195 - 305	1
4	295 - 405	1
50	50 - 500	1

## ■ Polythene DPM



Gauge	Thickness (mu)	Roll Size (m)
1000	250	25x4
1200	300	25x4
2000	500	12.5x4

Also available:  
Temporary Protective Sheeting

Gauge	Thickness (mu)	Roll Size (m)
500	125	50x4

## ■ Novoform

Welded mesh formwork system



- UK manufactured
- Easy to install
- Large stock levels kept
- In-house design service
- Site drawings despatched with each order
- Site support available

Supplied in 2400 mm long in the following depths (mm)

450	525	600
675	750	825
900	1050	1200
1350	1425	1575
1650	1725	1800
1875	1950	2100
2250	2400	1425
2700		

## ■ Steel Screed Bar



Rectangular Hollow Section Bar.

Width (mm)	Height (mm)	Length (m)
150	25	7.5

Nationwide Depots

## ■ Concrete Screed Rail



Height (mm)	Length (m)
80	3.9
100	3.9
125	3.9
150	3.9

## ■ Metal Topped Concrete Screed Rail



Height (mm)	Length (m)
65	3.9
90	3.9
115	3.9
140	3.9
165	3.9

## ■ Metal Screed Rail

Type S has a straight top which can be used with a plastic profile



Plastic Profile 2m lengths.

Height (mm)	Length (m)
27	2.5
55	3.0
75	3.0
100	3.0
120	3.0
145	3.0

## ■ Aluminium Tamping Beam



Other lengths available.

Type	Size (mm)	Standard Length (m)
Plain	100	6
With Handles	50	6

## ■ Base Crack Inducer



Height (mm)	Length (m)
40	5
75	5

## ■ Two Part Top Crack Inducer



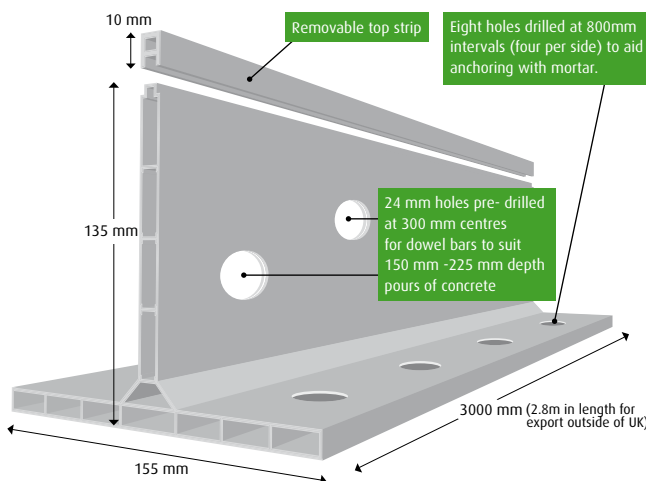
Depth (mm)	Length (m)
50	5
75	5

# K-Form Screed Rails

- Enables adjoining bays to be poured simultaneously
- "Click-together" ease
- Pre-drilled holes for dowel bars
- Pre-drilled holes in base for anchoring
- Manufactured in durable 100% recycled uPVC
- Removable top strip to allow joint sealing
- No removal after use
- Designed for pours of 50mm to 225mm thick

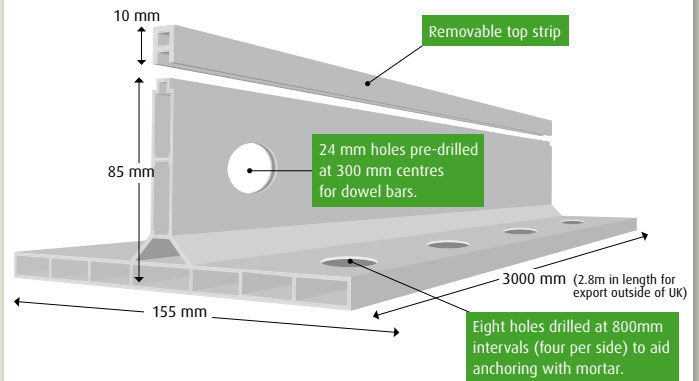
## ■ K-Form K135 Screed Rail

For slab thickness 150mm - 225mm



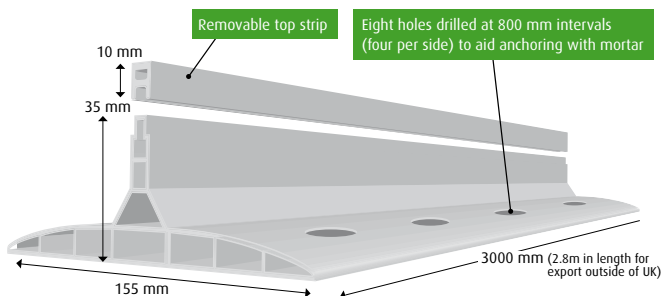
## ■ K-Form K85 Screed Rail

For slab thickness 100mm - 140mm



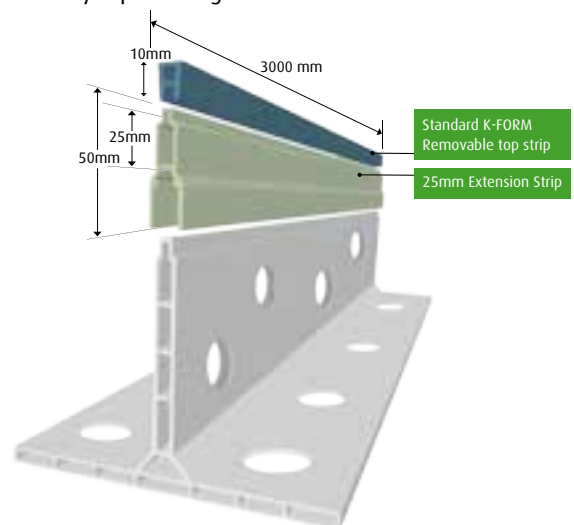
## ■ K-Form K35 Screed Rail

For slab thickness 50mm - 100mm



## ■ K-Form Screed Rail Extension Strip

- Allows increase in height of 25mm
- Integrates seamlessly with K-Form
- Compatible with K-Form top strip
- Fast and easy clip on design



Nationwide Depots

## ■ Aluminium T Bar



The reusable Aluminium T bar forms a slot in the wet concrete for easy insertion of the two part top crack inducer.

Depth (mm)	Length (m)
50	5

## ■ Side Slab Strip

**90KG/m<sup>3</sup> Foam Joint Inducer**



Type	Height (mm)	Width (mm)	Coil Length (m)
Plain	40	5	30
Self adhesive	40	5	30

## ■ Dowel Bar Cradles

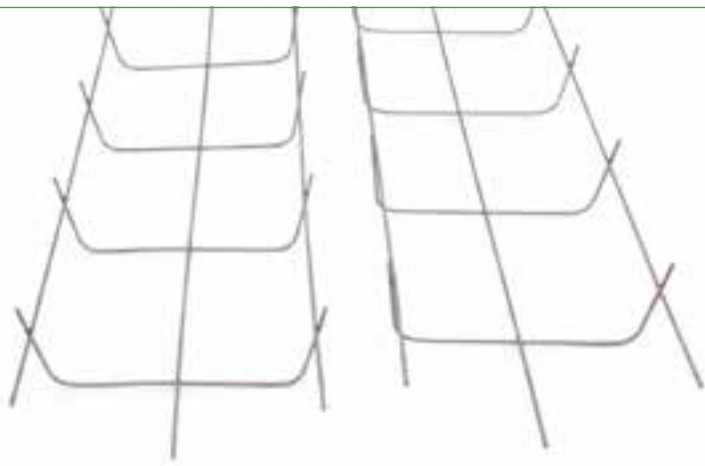


### Contraction Joint

Height (to underside of Dowel) (mm)	For Slab Depth (mm)	Length (mm)
75	150-180	1500
95	190-230	1500
125	240-280	1500

### Sleeves to suit

Length (mm)	Pack Size (No.)
75	100



### Expansion Joint

Height (to underside of Dowel) (mm)	For Slab Depth (mm)	Length (mm)
65	150-180	1500
95	190-230	1500
115	240-280	1500



## ■ Dowel Bar Sleeves



Bar Size (mm)	Length (mm)	Pack Size (No.)
12	450	100
16	200	100
16	450	100
20	300	100
25	300	100
32	375	100

## ■ Dowel Bars

Round mild steel bars



Bar Diameter (mm)	Length (mm)
12	600
12	900
16	400
16	900
20	600
25	600
32	750

## ■ Dowel Bar Caps



Bar Size	Length (mm)	Pack Size (No.)
12	100	100
16	100	100
20	100	100
25	100	100
32	100	100

## ■ Compression Foam Plugs



To Suit Bar Size (mm)	Length (m)
12	100
16	100
20	100
25	100
32	100
40	100

## ■ Dowel Bar Paint



Pack Sizes:

5 ltr Tin and 25 ltr Tub

## ■ Frost Blankets

The blanket gives excellent thermal insulation allowing it to keep the concrete warm in the winter and protects it from the heat in the summer



## ■ Void Formers

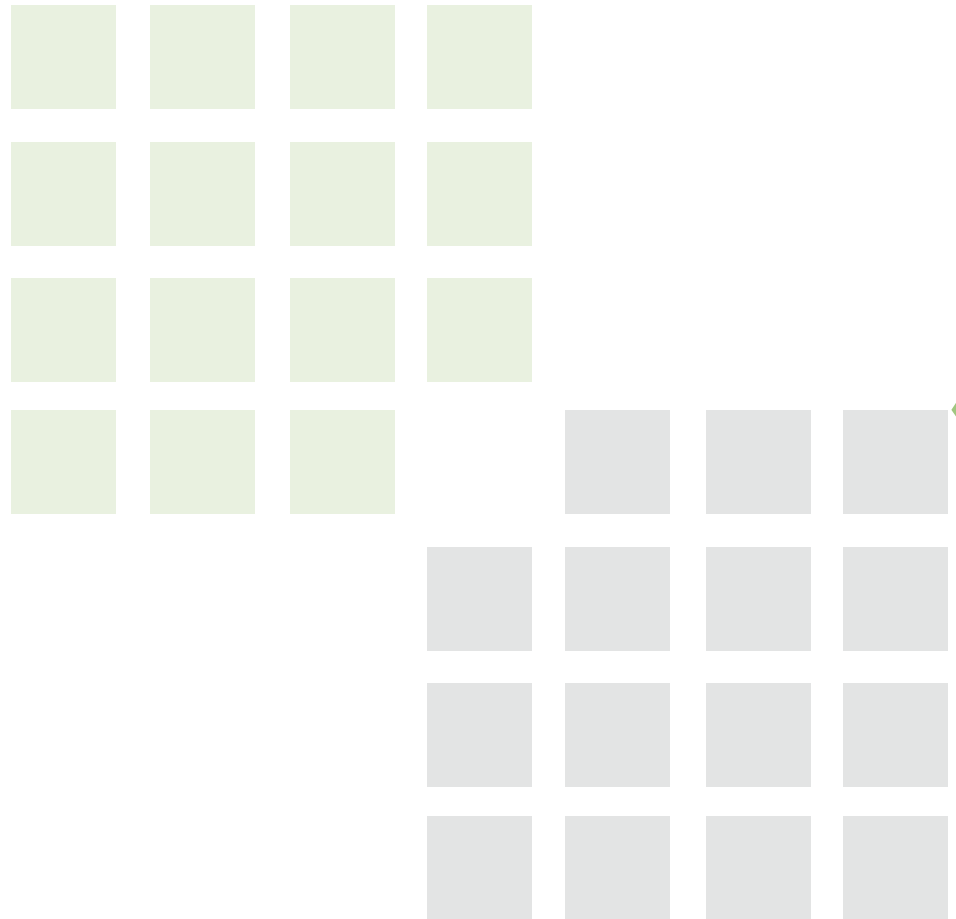


Dimensions (mm)	Length (m)
20 x 10	3
20 x 20	3
25 x 12	3
25 x 25	3

Nationwide Depots



# Reinforcement Accessories



**Geotub**  
Circular formers



**Geotub Panel**  
Square/rectangular formers



**Geopanel Star**  
Adjustable square/rectangular formwork



**Geopanel**  
Universal formwork panels



# Geoplast Formwork

## The simple formwork solution

### Advantages

- Lightweight units that are fast and simple to install. Handles lock the units into position with a 90° turn
- Economical and cost effective. Many repeat uses with very little maintenance
- Easy to clean. Just rinse with water
- Easy to store. Can be completely dismantled. Does not need to be stored in a dry environment
- Robust units are resistant to damage
- No release agents needed. Concrete will not stick to the plastic surface
- Outer side of panels are ribbed to allow easy plumbing and anchoring of props
- Environmentally friendly. Many repeat uses and made from recycled materials
- Geopanel Star is adjustable and hence reduces the amount of sizes required
- Reduces pressure on crane time as formwork panels can be fixed and struck by hand



Lightweight units



Easy to clean

## Nationwide Depots

## Ancon Shearfix Rails

### Prefabricated punching shear reinforcement system for concrete slabs

Shearfix is used for the transmission of high shear forces in flat floor applications with reduced requirements for formwork and reinforcement and for optimum use of space. They consist of studs welded to flat rails and are used within a slab to provide additional reinforcement around columns.

#### Advantages

- Increased load carrying capacity
- Quick and simple installation
- Installation possible from the top and bottom
- Simplified formwork design
- Can be used for flat ceilings from a thickness of 180mm
- Lower construction height of the ceiling due to higher load-carrying capacity than conventional reinforcement technology
- No thickening of reinforcement around column heads
- Can be used for all support positions and support forms



Design Service Available

#### Manufacture

Shearfix is manufactured in five diameters (10, 12, 16, 20 and 25mm) from CARES-approved B500C reinforcing bar. The heads are hot forged to three times the diameter of the bar. Studs are manufactured in virtually any length to suit the depth of slab, conforming to the strength and dimensional requirements incorporated within BS EN 1992-1-1:2004. Shearfix designed to BS EN 1992 can also be applied to structures designed to BS 8110.

#### Installation

Shearfix rails are placed around the column in a calculated arrangement to meet the designed specification. The number, height and depth of the rails are determined by a calculation made using the criteria of the particular job. The carrier rails ensure correct positioning of the studs.



**Ancon®**

Nationwide Depots

# Conti Strip

## Pull out reinforcement

A simple and cost effective method of providing reinforcement connection across concrete joints. The system comprises pre-bent reinforcing bars within a steel casing. The unit is cast into the first pour and when the contractor is ready remove the lid and bend out the starter bars.

### Advantages

- Simplifies formwork design and accelerates pour schedules
- No need to damage formwork by drilling or cutting
- Starter bars are housed within their case until ready for use, leaving a safer working environment on site
- Easy to use
- Forms a rebate in the joint, giving better shear connection

### Stock sizes

Type	Case Width	Stirrups Width "W"	Stirrups Height "H"	Bar Size	Centres	Lap Length "L"
<b>Hook Bar</b>						
CS85T12150	85	-	170	T12	150	480
CS85T12200	85	-	170	T12	200	480
CS11T16150	110	-	170	T16	150	640
CS11T16200	110	-	170	T16	200	640
<b>U Bars</b>		"W"	"H"			"L"
CS140T12150	140	120	170	T12	150	480
CS140T12200	140	120	170	T12	200	480
CS160T12150	160	140	170	T12	150	480
CS160T12200	160	140	170	T12	200	480
CS190T12150	190	160	170	T12	150	480
CS190T12200	190	160	170	T12	200	480
CS190T16150	190	160	170	T16	150	640
CS190T16200	190	160	170	T16	200	640
CS240T12150	240	220	170	T12	150	480
CS240T12200	240	220	170	T12	200	480
CS240T16150	240	220	170	T16	150	640
CS240T16200	240	220	170	T16	200	640

All dimensions in millimetres

Nationwide Depots

## ■ Unitec Coupler

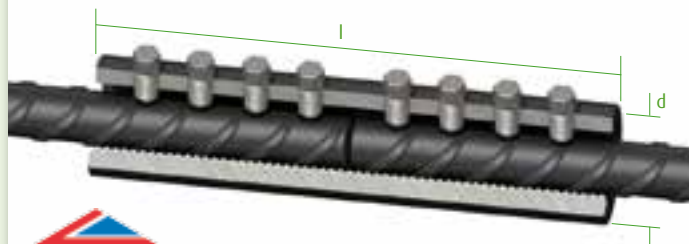
Unitec is a shear-bolt coupling system for the connection of concrete reinforcement bars for diameters of 12mm to 50mm.



To Suit Bar Diameter	Product Code	External	Length Diameter (mm)	Screw Size (mm)
12	FPUS0400002	48	140	M12
16	FPUS0500002	48	140	M12
20	FPUS0600002	51	200	M12
25	FPUS0800002	62	240	M16
32	FPUS1000002	82	280	M20
40	FPUS1200002	95	425	M20
50	FPUS5000002	107	620	M20

## ■ Ancon MBT Coupler

The MBT range of couplers provides a cost-effective method of joining reinforcing bars of the same size, particularly when the fixed bar is already in place and there is insufficient space for a hydraulic swaging press.

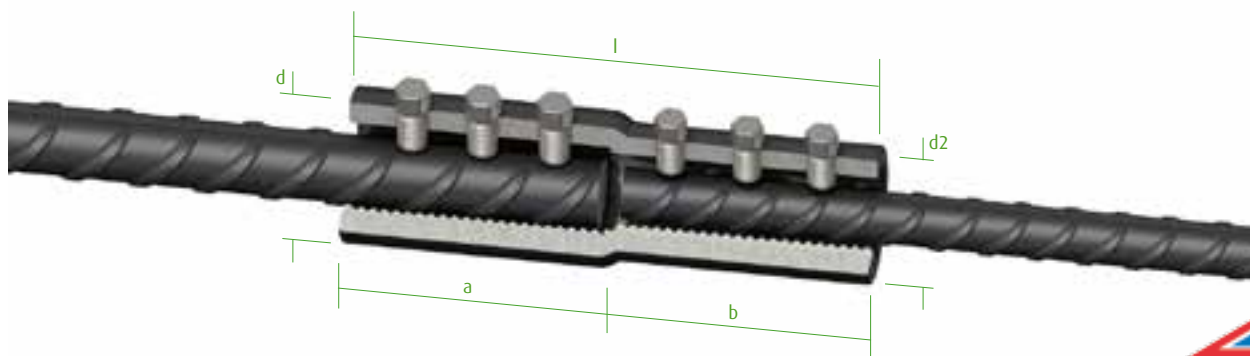


To Suit Bar Diameter	Product Code	External Diameter d (mm)	Length l (mm)	Socket Size A/F (ins)	Weight (kg)	Torque (nm)
12	ET12	33.4	140	1/2	0.72	55
16	ET16	42.4	160	1/2	1.25	108
20	ET20	48.3	204	1/2	1.96	108
25	ET25	54.0	258	5/8	3.00	275
32	ET32	71.0	312	5/8	6.50	360
40	ET40	81.0	484	3/4	11.30	525

Note: Other sizes available on request

## ■ Ancon MBT Transition Coupler

The MBT Transition series of couplers provides an effective solution for connecting bars of different diameters.



To Suit Bar Diameter	Product Code	External Diameter d (mm)	External Diameter d2 (mm)	Total Length l (mm)	Individual Lengths a:b(mm)	Socket Size A/F a:b (ins)	Number of a:b Bolts	Weight (kg)	Torque a:b (nm)
16/12	ET16/12	42.4	26.4	160	80:80	1/2: 1/2	3:3	1.30	108:55
20/12	ET20/12	48.3	33.4	150	80:70	1/2: 1/2	3:3	1.13	108:55
20/16	ET20/16	48.3	48.3	160	80:80	1/2: 1/2	3:3	1.56	108:108
25/16	ET25/16	54.0	42.2	155	75:80	5/8:1/2	2:3	1.51	275:108
25/20	ET25/20	54.0	54.0	180	90:90	5/8:1/2	3:3	2.23	275:108
32/20	ET32/20	71.0	48.3	177	75:102	5/8:1/2	2:4	2.55	360:108
32/25	ET32/25	71.0	54.0	231	102:129	5/8:5/8	3:4	3.70	360:275
40/32	ET40/32	81.0	71.0	335	178:157	3/4:5/8	5:5	7.47	525:360





## QuelCast Cast in Fire Collar



QuelCast Cast In Fire Collars preventing the spread of fire through plastic pipes and cables where they penetrate concrete floors.

### Advantages

- Up to 4 hour fire rating (EI240)
- Suitable for PVC, PVC-U, PE, HDPE, MDPE, & PP pipes
- Available to suit 50mm, 110mm & 160mm pipes
- Performance unaffected by weathering (Type X Durability)
- Quick & simple installation
- Integrated moisture and smoke seal
- Strong lid to carry foot traffic and light access equipment
- No backfilling required
- Compact footprint allows for closer positioning of pipes

### Standards and Approvals

- Fire resistance testing to BS EN 1366-3:2009
- EI60, EI120, EI180, EI240
- Classified to EN 13501-2: 2007 + A1: 2009



### Installation Instructions

1. Mark the formwork with a cross where the pipe is to pass through the floor
2. Position the QuelCast Cast In Fire Collar as required (the centre line marks on the QuelCast Collars and Manifold help to position in the correct location)
3. Attach to the formwork using screws or nails through the holes in the 4 corners of the unit
4. Pour the concrete to the required depth
5. On completion of concrete curing, remove all formwork and shuttering
6. Remove the cap from the top of the QuelCast Collar
7. Place the pipe through the QuelCast Collar

### Performance

Product Code and Description	To suit pipe diameter	Quantity per box	Fire Rating
QUELCAST50 - Cast In Fire Collar	50mm	8	Up to 4hrs
QUELCAST110 - Cast In Fire Collar	110mm	8	Up to 4hrs
QUELCAST160 - Cast In Fire Collar	160mm	4	Up to 4hrs
QUELCAST-MANIFOLD - Recess Former	QUELCAST110	4	n/a

### QuelCast Manifold



Designed and developed to create a 75mm recess in the floor slab either on the top or on the bottom of the floor slab.

## Nationwide Depots

# Ancon Cast in Channels

## Solutions to fix components to concrete structures



Cast-in Channels range from simple self-anchoring slots for accepting restraint fixings to large capacity channels with integral anchors. They provide the necessary adjustment required when fixing to concrete and can eliminate site drilling. Nail holes aid the fixing of channels to timber formwork and an infill prevents the ingress of concrete during casting.



Cast-in fixings do not generate expansive forces in the concrete. They can therefore be used at close centres and can often be used closer to the edges than expansion fixings.

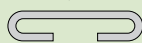
Ancon Cast-in Channels have been independently tested to the current British Standard BS 5080, Parts 1 and 2. The anchor shapes of Ancon Channels are outside current European Technical Assessment documents and therefore these products cannot be CE marked.

### Ancon Channel Profiles

21/18 - Omega



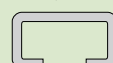
36/8



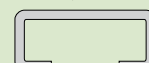
25/14



28/15



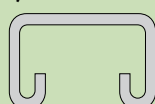
38/17\*\*



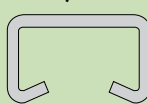
30/20\*\*



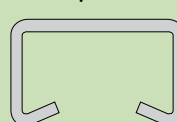
41/27 AnconLock\*



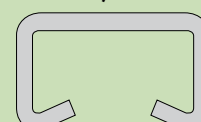
40/25



49/30



54/33



\*41/27 AnconLock has teeth cut into the returned lips of the channel. The 'T' head bolts used to fix to this channel have a matching serrated surface on the underside of the head which provides a high resistance to slip under shear load along the line of the channel.

\*\*Ancon 30/20 should be used in preference to 38/17 channel. 30/20 is a high performance channel and its lower material content offers considerable cost benefits.

## Nationwide Depots

## ■ Tying Wire



**Supplied as:**

Soft black annealed wire 17g

## ■ Stainless Steel Tying Wire



**Supplied as:**

18 gauge

## ■ Tying Wire Dispensers



**Supplied as:**

Plastic or aluminium

## ■ Plastic A Clips



Cover (mm)	Pack Size (No.)
15	1000
20	500
25	500
30	500
35	250
40	250
50	125

## ■ Plastic Pile Cage Spacers



Cover (mm)	Bar Size (mm)	Bag Qty (No.)
45	8-12	250
50	8-12	250
75	8-12	100
75	16-20	100

Nationwide Depots

## ■ Single Cover Concrete Spacers



Cover (mm)	Pack Size (No.)
20	1000
25	500
30	250
35	250
40	250
50	200
60	100
75	100

## ■ Double Cover Concrete Spacers



Cover (mm)	Pack Size (No.)
25/30	500
30/40	250
40/50	200
60/75	50

## ■ Triple Cover Concrete Spacer



Cover (mm)	Pack Size (No.)
20/25/30	500
35/40/50	200

## ■ Concrete Bar Spacer



Cover (mm)	Length (mm)	Pallet Qty (No.)
20	1000	1200
25	1000	900
30	1000	500
35	1000	400
40	1000	300
45	1000	300
50	1000	250
55	1000	150
60	1000	150
75	1000	100
100	1000	70

## ■ Concrete Mesh Blocks



Cover (mm)	Pack Size (No.)
40/50	100

## ■ Concrete Trapezoidal Bar



Cover (mm)	Pallet Qty (m)
30	800
40	450
50	320
60	230
75	150
100	100

## ■ Safety Strip - Standard

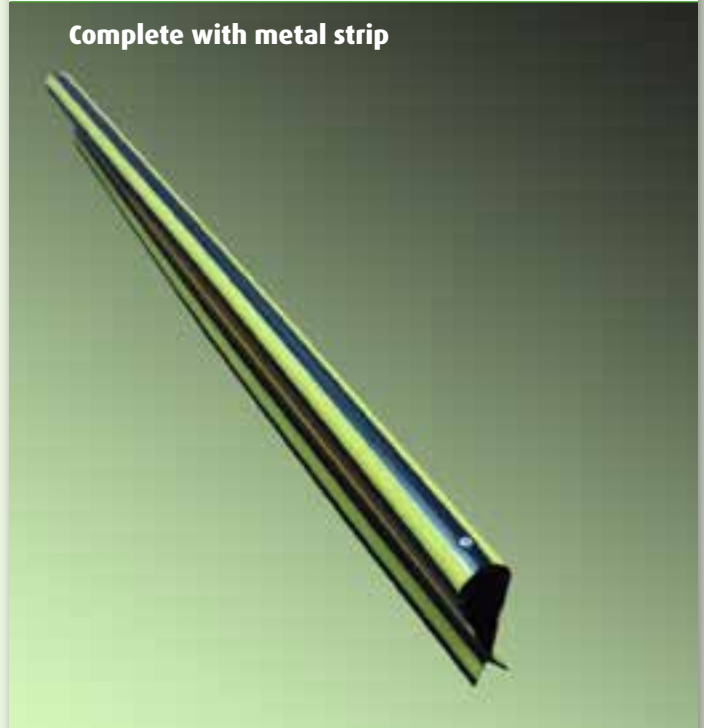


### Sizes:

Supplied in 1m lengths

## ■ Safety Strip - Heavy Duty

Complete with metal strip



### Sizes:

Supplied in 1.15m lengths

## ■ Rebar Protection Caps



### Bar Size (mm)    Pack Size (No.)

6-16	250
16-32	250
40-50	100

## ■ WISA block™

Making construction safer  
reducing the risk of impalement



- Robust and strong
- Economic, multiple uses
- Easy to install
- Cost effective - not required on every bar
- One size fits all (10mm - 32mm)
- Provides protection from impalement
- Uses standard 4"x 2" timber
- Forms a natural handrail

Nationwide Depots



# Dualfix

## The next generation of track spacer

An economic spacer for supporting mesh or bottom reinforcement in suspended slabs.

### Advantages

- Injection moulded which means it is stronger and less brittle than extruded products
  - PVC free
  - Manufactured from recycled plastics
  - Can be separated by hand to form 2 x 1 metre lengths
  - Each piece is stamped with its size
  - Profile allows improved flow of concrete
- Classification**



### Standards

- Classified under BS7973 as a 'Normal' type line spacer

### Performance

All categories refer to BS7973

Requirement	Description	Result
6.2	min 25% voids	pass
7.3	± 2mm tolerance	pass
7.72	Breadth/height ratio	pass
9	max deflection of 1mm under 0.5kn test load	pass
11	marking of packs	pass

Nationwide Depots

## ■ Plastic Mesh Spacers



**Cover (mm)**      **Pack Size (No.)**

25/30	250
40/50	250
65/75	200
90/100	100

## ■ Dualfix



Can be separated by hand to form 2 x 1 metre lengths

**Cover (mm)**      **Pack Size (m)**      **Pallet Qty (m)**

15	100	6400
20	100	4800
25	100	4200
30	100	3600
35	50	2400
40	50	2160
50	50	1440
60	40	960
70	40	960

## ■ Zig Zag Spacer



**Cover (mm)**      **Pack Size (m)**      **Pallet Qty (m)**

15	100	5000
20	100	5000
25	100	5000
30	100	5000
35	80	3200
40	80	3200
45	80	3200
50	80	3840
55	82	3280
60	82	3280
65	82	3280

## ■ Plastic Wheel Spacers



**Cover (mm)**      **To Suit Bar (mm)**

15	4-12
20	8-12
25	8-12
25	12-20
30	8-12
30	12-20
35	8-12
35	10-20
40	8-12
40	12-20
50	8-12
50	12-20
60	12-20
75	12-20

Nationwide Depots

# Reinforcement Accessories

## ■ Plastic Shims



Plain Squares

Thickness (mm)	Size (mm)	Pack Size (No.)
2	70x70	250
3	70x70	250
5	70x70	125
7	70x70	125
9	70x70	125
10	70x70	250
15	70x70	200
20	70x70	150
25	70x70	100
30	70x70	100

## ■ Plastic Shims



Horseshoe

Thickness (mm)	Size (mm)	Pack Size (No.)
2	70x70	250
3	70x70	250
5	70x70	125
7	70x70	125
9	70x70	125
10	70x70	250
15	70x70	200
20	70x70	150
25	70x70	100
30	70x70	100

## ■ Void Formers



Dimensions (mm)	Length (m)
20 x 10	3
20 x 20	3
25 x 12	3
25 x 25	3

## ■ Chamfer Edge Profile Plain



Height (mm)	Pack Size (m)
11	100
15	100
20	100
25	50
30	50

## ■ Chamfer Edge Profile Lipped



Height (mm)	Pack Size (m)
7	100
11	100
15	100
20	50
25	50
30	50

## ■ Chamfer Edge Profile Radius



Height (mm)	Pack Size (m)
21	100

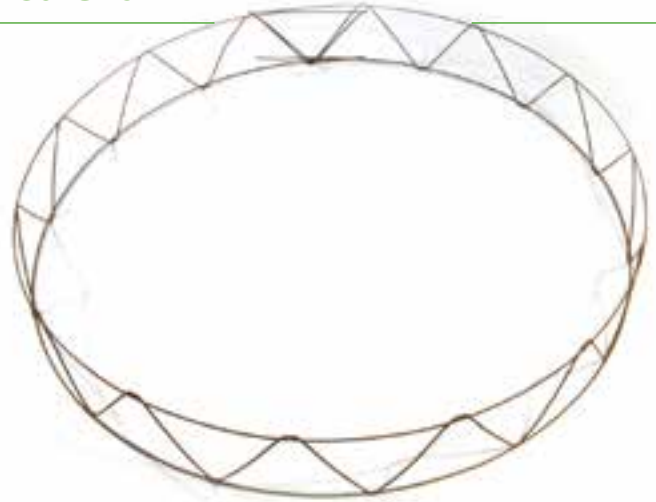
Nationwide Depots

## ■ Continuous Wirechairs



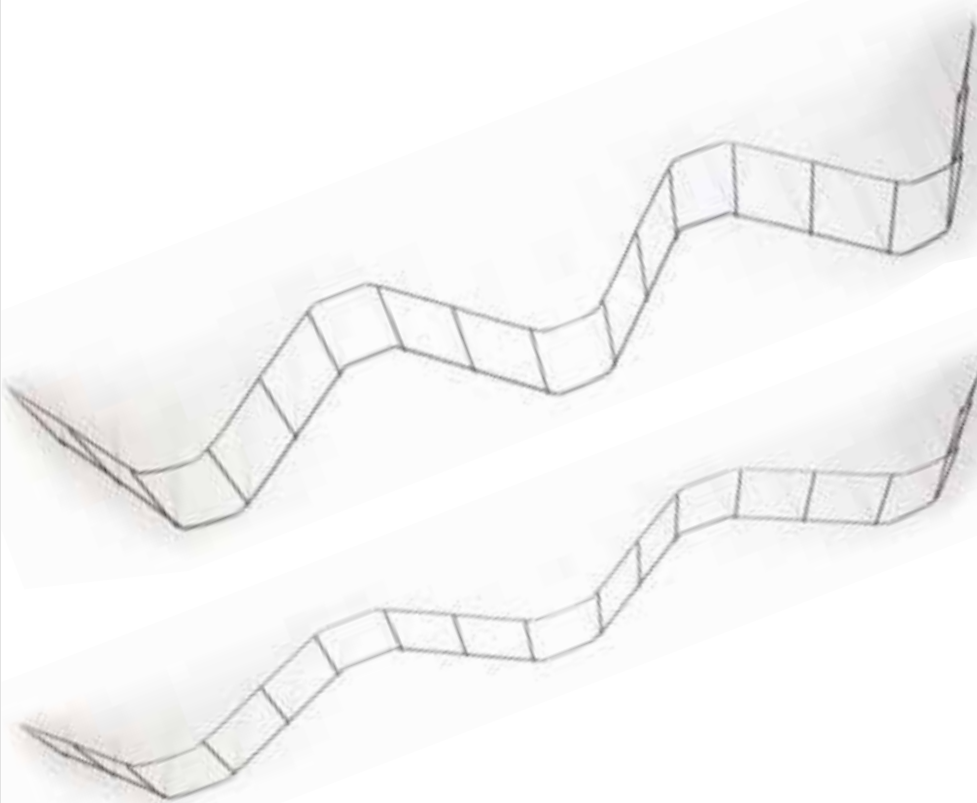
Height (mm)	Length (m)	Pack Size (m)
50	2.0	50
60	2.0	50
75	2.0	50
105	2.0	50
120	2.0	50
135	2.0	50
150	2.0	50
165	2.0	50
180	2.0	50
200	2.0	50
220	2.0	40
250	2.0	40
280	2.0	40
300	2.0	40

## ■ Circular Wirechairs



Height (mm)	Length (m)	Pack Size (No.)
50	3.0	20
60	3.0	20
75	3.0	20
90	3.0	20
105	3.0	20
120	3.0	20
135	3.0	20
150	3.0	20

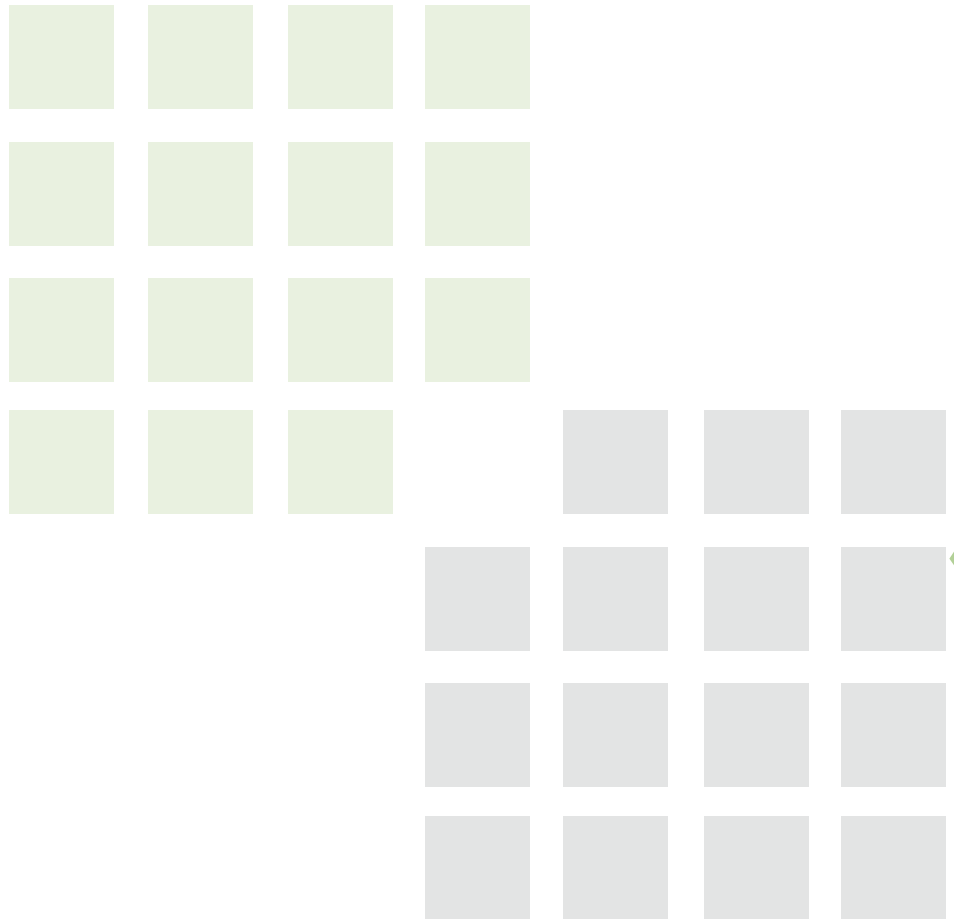
## ■ Snake Spacers



Height (mm)	Pallet Size (m)	Pack Size (No.)
50	3200	25
60	2400	25
70	2400	25
80	2000	25
90	2000	25
100	2000	25
110	1600	25
120	1600	25
130	1600	25
140	1200	25
150	1200	25
160	1200	25
180	1200	25
200	800	25
220	800	25
240	800	25
260	600	25
280	600	25
300	600	25
320	400	25
340	400	25
360	400	25
380	400	25
400	400	25

Nationwide Depots

## Joint Fillers





## ■ Miothene Strip/Roll

**Standard density  
polyethylene joint filler  
complete with perforated  
tear off strip**



We can supply virtually  
any combination of width,  
thickness & perforation.

Code	Depth (mm)	Width (mm)	Tear off (mm)	Length (strip) (mm)	Length (roll) (m)
100/10/10	100	10	10	2000	10
150/10/10	150	10	10	2000	10
175/10/10	175	10	10	2000	10
200/10/10	200	10	10	2000	10
100/12/12	100	12	12	2000	10
150/12/12	150	12	12	2000	10
175/12/12	175	12	12	2000	10
200/12/12	200	12	12	2000	10
100/15/15	100	15	15	2000	10
150/15/15	150	15	15	2000	10
200/15/15	200	15	15	2000	10
100/20/20	100	20	20	2000	
150/20/20	150	20	20	2000	
200/20/20	200	20	20	2000	
225/20/20	225	20	20	2000	
250/20/20	250	20	20	2000	
275/20/20	275	20	20	2000	
300/20/20	300	20	20	2000	
150/25/25	150	25	25	2000	
175/25/25	175	25	25	2000	
200/25/25	200	25	25	2000	
225/25/25	225	25	25	2000	
250/25/25	250	25	25	2000	
275/25/25	275	25	25	2000	
300/25/25	300	25	25	2000	

## Nationwide Depots

## ■ Miothene Sheets

Standard density polyethylene foam expansion joint



Full Sheet (mm)		Half Sheet (mm)	
10	2000x1200	10	2000x800
12	2000x1200	12	2000x800
15	2000x1200	15	2000x800
20	2000x1200	20	2000x800
25	2000x1200	25	2000x800
30	2000x1200	50	2000x800
50	2000x1200		

## ■ Miothene 70

High density polyethylene foam joint filler



All combinations of strip sizes are available.

Thickness (mm)	Length (mm)	Breadth (mm)
10	2000	800
15	2000	800
20	2000	800
25	2000	800
30	2000	800

## ■ Woodfibre Fillerboard Sheets

Bitumen impregnated woodfibre joint filler



Thickness (mm)	Sheet Size (mm)
12	2400x1200
20	2400x1200
25	2400x1200

## ■ Woodfibre Fillerboard Strip

Bitumen impregnated woodfibre joint filler



Thickness (mm)	Sheet Size (mm)
100x12	2400 lengths
150x12	2400 lengths
200x12	2400 lengths
150x20	2400 lengths
200x20	2400 lengths

## ■ Corkfill

**Bitumen bonded cork expansion joint filler**



All combinations available in strip.

Thickness (mm)	Length (mm)	Width (mm)
10	2130	914
13	2130	914
19	2130	914
25	2130	914

## ■ Cork Expansion Joint Filler

**Highly resilient and will recover 95% of it's original thickness**



Sheet Size varies – please ask for details.

Thickness (mm)
5
10
15
20

## ■ Neoprene

**Sponge and rubber grades available. Because of it's excellent recovery it is frequently used on bridge structures and also structures that undergo rapid temperature variations**



## ■ Iso Foam

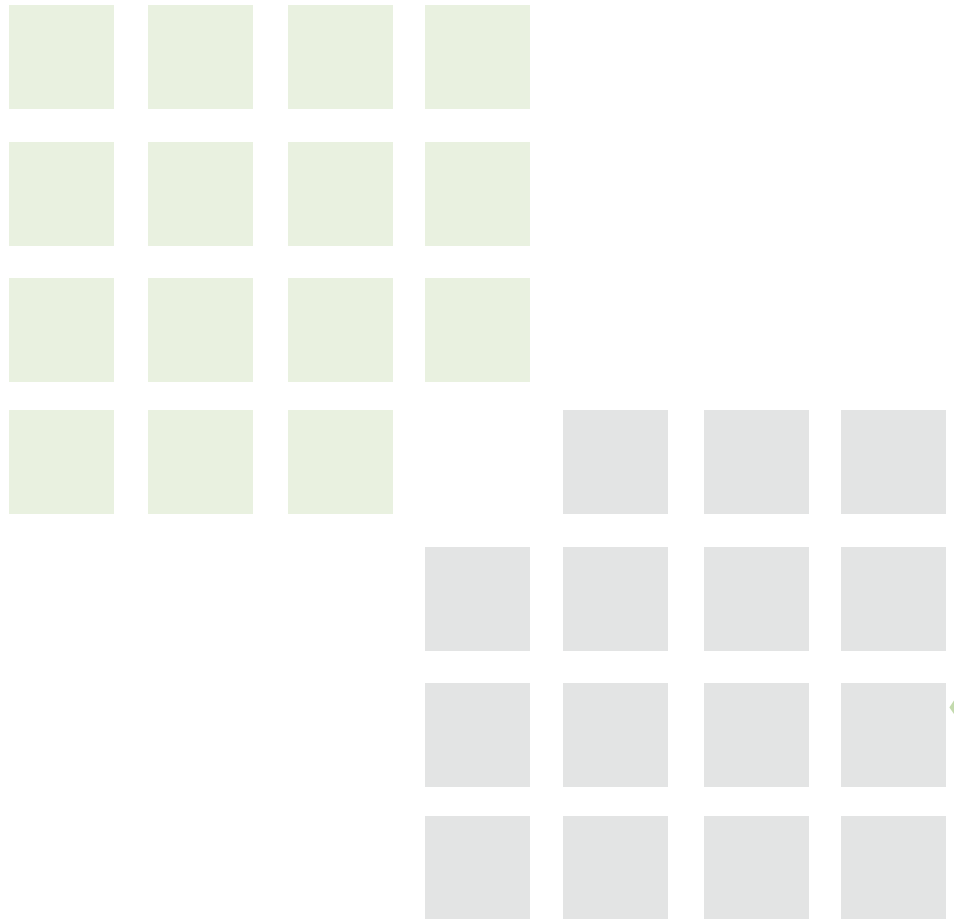
**To enable breaking of the pile head**



ID (mm)	OD (mm)
18	27
22	31
27	36
35	44
42	51

Nationwide Depots

## Formwork Products



# Geoplast Formwork

## The simple formwork solution

### Advantages

- Lightweight units that are fast and simple to install. Handles lock the units into position with a 90° turn
- Economical and cost effective. Many repeat uses with very little maintenance
- Easy to clean. Just rinse with water
- Easy to store. Can be completely dismantled. Does not need to be stored in a dry environment
- Robust units are resistant to damage
- No release agents needed. Concrete will not stick to the plastic surface



Lightweight units



Handles lock the units into position with a 90° turn



Easy to clean



- Outer side of panels are ribbed to allow easy plumbing and anchoring of props
- Environmentally friendly. Many repeat uses and made from recycled materials
- Geopanel Star is adjustable and hence reduces the amount of sizes required
- Reduces pressure on crane time as formwork panels can be fixed and struck by hand

## Nationwide Depots



## Geotub Circular formers

Diameter (mm)	Length (mm)	Maximum Pour Height (m)
250	600	6
300	600	6
350	600	4.8
400	600	4.8
450	600	4.8
500	600	4.8
600	600	3.0
700	600	3.0
800	600	3.0
900	600	3.0
1000	600	3.0



Full brochure and installation guides available



## Geotub Panel Square/rectangular formers (10mm built in chamfer)

Width (mm)	Height (mm)
200	750
230	750
250	750
300	750
350	750
400	750
450	750
500	750
550	750
600	750

## Nationwide Depots

## Geopanel Star

**Adjustable square/  
rectangular formwork  
600mm high pieces**

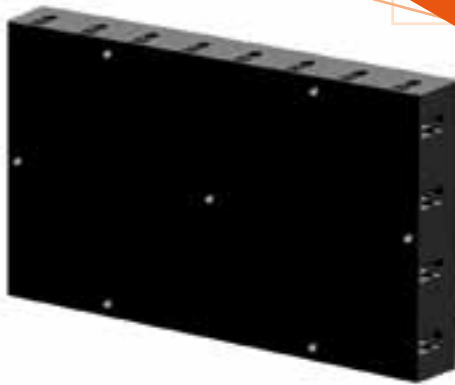
### Range of Adjustment

Star 20 - 60	Star 25-65	Star 70-100
200 - 600	250 - 650	700 - 1000
300 - 600	350 - 650	800 - 1000
400 - 600	450 - 650	900 - 1000
500 - 600	550 - 650	1000 - 1000
600 - 600	650 - 650	-



## Geopanel Universal formwork panels

**Main Panel 120**



**REUSABLE**



**Inn.  
Cor.**



**Out.  
Cor.**



**Main Panel 1200 x H 600mm**

**Inner Corner Element  
300 x 100 x H 600mm**

**Outer Corner Element  
330 x H 600mm**

### Geopanel Other Sizes

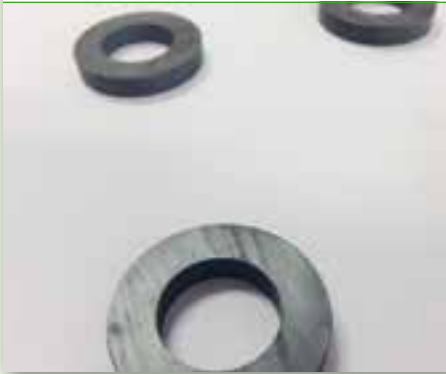
Panel Number	Width (mm)	Height (mm)
20	200	600
25	250	600
30	300	600
35	350	600
40	400	600



**Handle**

**Nationwide Depots**

## ■ Formwork Magnets



## ■ Wedge Anchors



Size	Pack Size (No.)
M16	25

## ■ Round Wire Nails



Size (mm)	Pack Weight (Kg)
50	25
65	25
75	25
100	25

## ■ Tierod - Bars



**15mm:** Ultimate Strength 180kn

**Available Sizes (m)**

1.2
1.5
2.0
3.0
6.0

**20mm:** Ultimate Strength 320kn

**Available Sizes (m)**

1.5
6.0

**26.5mm:** Ultimate Strength 520kn

**Available Sizes (m)**

6.0
-----

**32mm:** Ultimate Strength 844kn

**36mm:** Ultimate Strength 1070kn

**40mm:** Ultimate Strength 1320kn

## ■ Tierod - Wing Nuts



**Sizes:** 26.5mm upwards  
supplied as a load  
bearing hex nut

Size (mm)	Pack Size (No.)
15	100
20	50
26.5	Singles
32	Singles
36	Singles
40	Singles

## ■ Tierod - Waler Plates



Bar (mm)	Size (mm)	Type	Pack Size (No.)
15	120x120x10	Pressed	25
20	120x120x20	Plain	20
26.5	130x130x35	Plain	Singles
32	160x160x40	Plain	Singles
40	220x220x50	Plain	Singles

## ■ Tierod - Water Barrier Nuts



Bar (mm)	Type	Length (mm)	Disc (mm)
15	Flanged	110	65
15	Ribbed	110	
20	Flanged	130	130
26.5	Welded Plate	500	120x120

Reducers:	Bar Size (mm)	Per Nut
	15	2
	20	2

## ■ Tierod - Plastic Sleeves

All in 2m lengths



To Suit Bar (mm)	Size (INT/EXT) (mm)	Pack Size (m)
	14/20	100
	20/24	100
15	22/26	100
20	26/30	50
26.5	32/36	30
32	40/46	30

## ■ Tierod - Weldable Anchors



Size (mm)	Dims (mm)	Weld Seam Required (mm)
15	130x50	4

## ■ Tierod - Connectors



c/w centrepin stop

Bar Size (mm)	Length (mm)
15	30x105
20	40x130
26.5	50x150
32	62x180
40	71x250

## ■ Tierod - Plastic Cones



Size (mm)	Pack Size (No.)
14	1000
20	500
22	500
26	250
32	250
40	125
22/50	125 - also available in spiral
26/50	125 - also available in spiral

Cone Removal Key to suit

Nationwide Depots

## ■ Tierod - MKK Cones

Steel plastic climbing cones



Size (mm)	SWL (kn)	Dims (mm)
15	100	100 long x 60 x 40
20	180	126 long x 70 x 40
26.5	260	135 long x 70 x 57

## ■ Tierod - SKK Cones

All steel climbing cones



Size (mm)	SWL (kn)	Dims (mm)
15	100	102 long x 80 x 30

## ■ Tierod - Angle Washers



Bar Size (mm)	Dims (mm)
15	Pressed plate 120x120x6



## ■ Tierod - Cast In Anchors



Bar Size (mm)	Type	Length (mm)	Fail Load (kn)
15	Cast-in-anchor	95	90
15	Form Anchor	130	100
15	Plastic Anchor	70	50

## ■ Tierod - Rock Anchors



Size (mm)	Length (mm)	Drill Size
15*	130	35-37
20	125	41-43
26.5	135	51-53

\*Minimum Embed Depth 230mm

## ■ Tierod - Hex Nuts



Bar Size (mm)	Size (mm)
15	30x50
20	36x60
26.5	46x120

## ■ Tierod - Rubber Stoppers



Size (mm)	Pack Size (No.)
20	500
22	500
26	250
32	125

## ■ Tierod - Tapered Plastic Stoppers



Size (mm)	Pack Size (No.)
14	1000
20	1000
22	1000
26	1000
32	500
40	250

Nationwide Depots

## ■ Expanded Metal Formwork



Thickness (mm)	Length (mm)	Width (mm)
0.4	2000	445
0.4	3000	445

## ■ Gaffa Tape



Supplied in widths (mm)

50
75

## ■ Formwork Tape



Width (mm)	Roll Length (m)	Box (Qty Rolls)
50	33	24
75	33	18

## ■ Formwork Foam Self adhesive



Width (mm)	Roll Length (m)	Box (Qty)
12x6	10	25 rolls
24x12	5	12 rolls

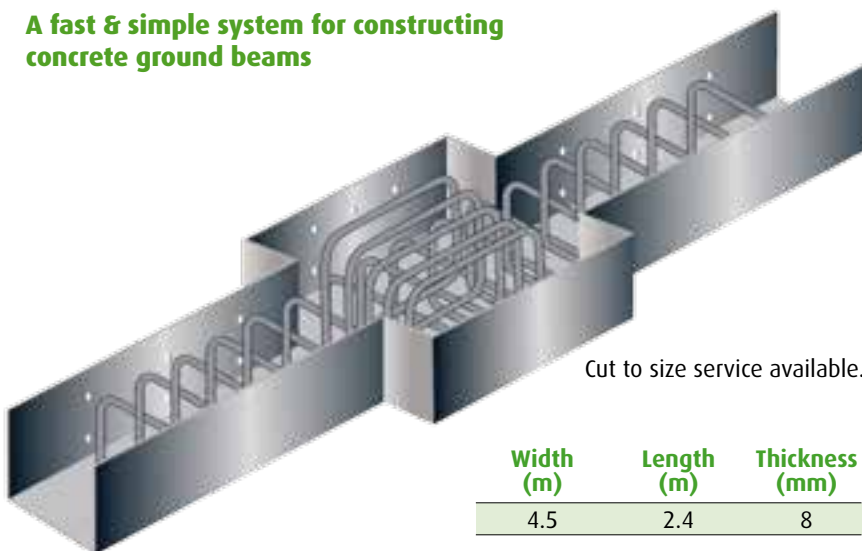
## ■ Novoform

Welded mesh formwork system



## ■ Corrugated Formwork

A fast & simple system for constructing concrete ground beams



Cut to size service available.

Width (m)	Length (m)	Thickness (mm)
4.5	2.4	8

- UK manufactured
- Easy to install
- Large stock levels kept
- In-house design service
- Site drawings despatched with each order
- Site support available

Supplied in 2400 mm long in the following depths (mm)

450	525	600
675	750	825
900	1050	1200
1350	1425	1575
1650	1725	1800
1875	1950	2100
2250	2400	1425
2700		



# RivePipe

## Extractable, re-usable tie hole sleeves

An extractable and re-usable formwork tie sleeve that can be used in combination with RiveStop to provide a hermetically watertight form tie hole.

### Advantages

- Economical - can be used 20-50 times
- Environmentally friendly - completely recyclable
- Labour saving - units manufactured to suit wall size, no cutting required
- Reduces the amount of plastic left in concrete walls
- Easy to use
- Rapid extraction
- Suits a 15mm core diameter tie rod



### How it works

Wall Size	Bag Quantity
100mm	100
150mm	50
200mm	50
250mm	50
300mm	25
350mm	25
400mm	25

- Join two RivePipe pieces to form one unit
- Slide over tie bar
- Tighten form ties
- Pour concrete
- Use tool to remove RivePipe
- Extract RivePipe
- Store RivePipe for reuse
- Seal tie hole with RiveStop

Nationwide Depots



## RiveStop

The quick way to provide 100% waterproofing for tie bar holes

RiveStop is a patented elastic rivet with an internal mechanical waterproofing system designed to hermetically seal form tie holes in concrete structures



### Advantages

- 90% labour saving - 3 seconds to seal form tie holes
- 100% watertight - no human factor or margin of error
- Mechanical system - subsequent building movement will not affect the seal
- Simple and clean - 
- Easy to check - 
- Weatherproof - can be applied in all conditions



### Two easy steps

Diameter of RiveStop	To suit maximum hole size	Length of RiveStop	Water pressure resistance	Finish
21mm	24mm	33mm	3 bar	Plastic or Stainless steel
24mm	26mm	48mm	5 bar	
27mm	30mm	50mm	5 bar	



Nationwide Depots

## ■ BAG Column Formers



Tube I/D (mm)	Tube Wall Thickness (mm)	Concrete Required(m <sup>3</sup> /mtr)	Weight (kg/mtr)
150	2.80	0.018	1.24
200	2.80	0.031	1.63
240	3.20	0.045	1.96
250	3.20	0.049	2.08
300	3.20	0.071	2.38
350	3.70	0.096	3.09
400	4.10	0.126	3.52
450	4.10	0.159	4.50
500	4.60	0.196	5.44
550	4.60	0.237	5.99
600	5.00	0.283	6.53
650	5.00	0.332	7.16
700	5.00	0.385	7.71
750	5.00	0.442	8.26
800	5.50	0.502	8.81
850	5.50	0.567	9.36
900	5.50	0.636	9.91
950	5.50	0.708	10.46
1000	5.90	0.785	11.11
1100	5.90	0.950	12.11
1200	5.90	1.130	13.21

## ■ BAG Square Column Formers

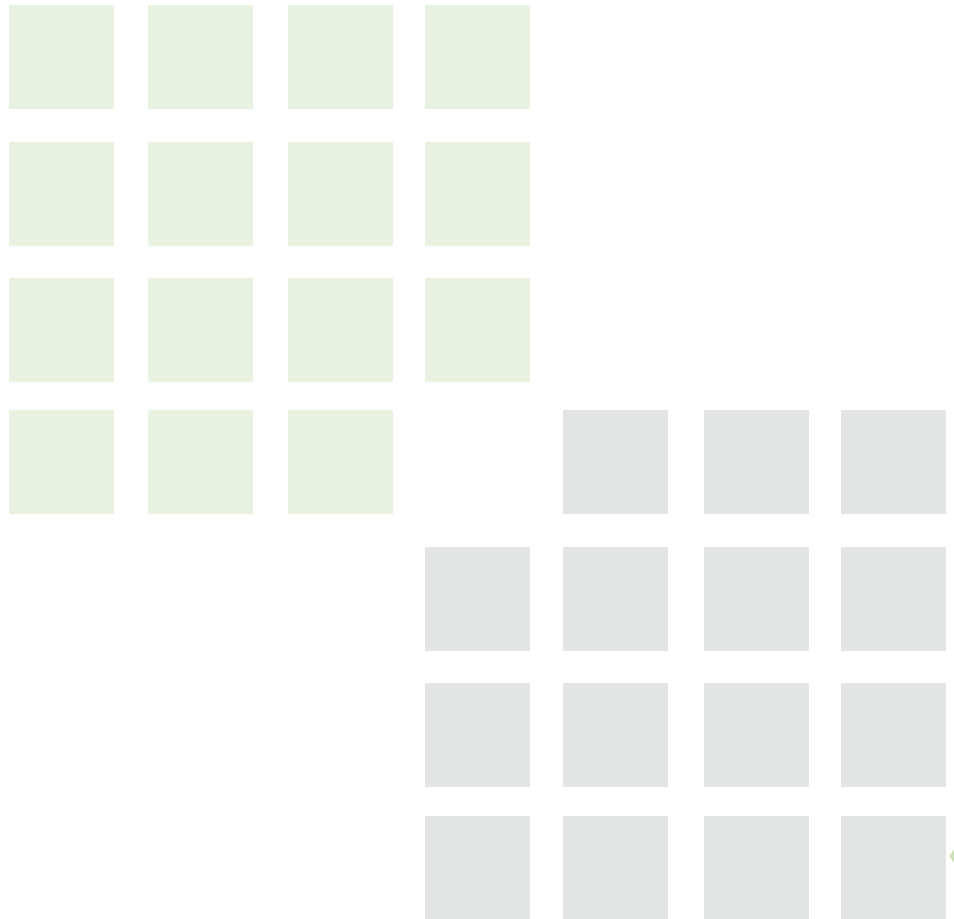


Tube I/D (mm)	Tube Wall Thickness (mm)	Concrete Required(m <sup>3</sup> /mtr)	Weight (kg/mtr)
200 x 200	300	0.040	3.10
240 x 240	360	0.057	3.90
250 x 250	374	0.062	4.00
300 x 300	458	0.090	5.20
350 x 350	514	0.122	6.00
400 x 400	586	0.160	7.60
450 x 450	666	0.202	8.70
500 x 500	736	0.250	9.80

Nationwide Depots



# Grouts, Chemicals and Sealants



## ■ Non Shrink Grout

- Grouting under stanchions and baseplates
- General void filling
- Fixing ballustrades, starter bars and barriers
- Underpinning

### Sizes:

Pack Size 25kg



## ■ Curing Agent

- Aids the efficient curing of concrete for use on external slabs, walls and flooring

### Sizes:

Pack size - 205 litre and 25 litre



## ■ Repair Mortars

- Levelling new and old concrete surfaces, infilling surface imperfections
- Making good concrete blow holes, filling small holes
- Making good frost damaged and scoured concrete surfaces
- Levelling of patched concrete repairs

**MAPEI**

### Sizes:

Pack Size 25kg

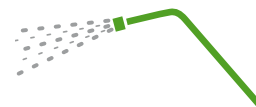


## ■ Release Agents

- A specifically formulated system designed to give maximum protection to all types of formwork and to help ensure production of high quality concrete

### Sizes:

Pack size - 205 litre and 25 litre



## ■ Floor Levelling Compound

Used for levelling out uneven floors prior to the laying of:

- Carpets
- Carpet tiles
- Vinyl tiles
- Rubber tiles
- Thermoplastic tiles
- Linoleum
- Wood block flooring

**MAPEI**

### Sizes:

Pack Size 25kg

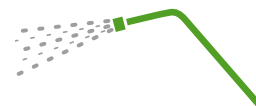


## ■ Mould Oil

- Provides a physical barrier to assist in quick clean form release

### Sizes:

Pack size - 25 litre and 210 litre



## ■ Polyester Anchor Grout

Polyester Anchor Grout is a two-component polyester resin and special catalysed filler that has been developed for anchoring and fixing. The gel-like nature of the thixotropic grout is ideal for anchorage of wall and soft fixings for use on:

- Anchorage of bolts and fixings to building and civil engineering work
- Anchorage of rebar starter bars
- Installation of cavity wall ties in brickwork
- Fixings to masonry structures
- Anchor dowel bars to pavements and slabs
- Fixings to walls and soffits

### Sizes:

Pack Size 25kg

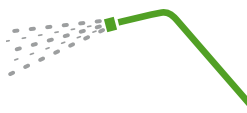
Nationwide Depots

# Grouts, Chemicals and Sealants

## ■ Top Face Retarder

### Sizes:

Pack size - 25 litre and 200 litre



## ■ Mould Face Retarder

### Sizes:

Pack size - 25 litre



## ■ Tiefill

For sealing tie holes in concrete

### Sizes:

8kg tubs



## ■ Foambacker Rod



Width (mm)	Pack Size (m)
10	1280
12	762
15	472
20	335
25	182
30	121
40	128
50	73

## ■ Silicon Sealant

A clear sealant for finishing or stopping grout loss

### Sizes:

330cl cartridges



## ■ PVA

### Sizes:

Pack Size - 5 litre tins

## ■ SBR

### Sizes:

Pack Size - 5 litre tins  
25 litre tubs

## ■ Polysulphide Sealant

Two-Part Polysulphide can be supplied in pouring and gun grades for sealing horizontal and vertical joints where movement is expected, or where the performance specification is too rigorous for more common mastics and joint sealers. It is ideal for use in expansion joints in reinforced concrete structures such as bridges, reservoirs, water treatment works, sea walls and roads, etc. It can also be used in floors subject to heavy usage where a high resistance to damage is required.

**Sizes:** Supplied in pre-measured two part packs containing:

### Sizes:

Gun applied grade -  
2.25 or 2.25 litres

### Sizes:

Gun applied grade - Pouring  
grade - 4.0 or 4.5 litres



## ■ Expanding Foam

An easy to use filler for holes, voids, etc.

### Sizes:

750ml can



## ■ Survey Spray Paint

Available in Red, Yellow and Blue

### Sizes:

750ml can



# Nationwide Depots

## ■ Fosroc® Concure WB

Concure WB is a water based concrete curing compound based on a low viscosity wax emulsion. It is supplied as a white emulsion which forms a clear film on drying.

When first applied to a fresh cementitious surface the emulsion breaks to form a continuous, non-penetrating white coating. This dries to form a continuous clear film which provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage.

Use as a spray applied membrane to retain moisture in concrete for effective curing. Suitable for all general concreting applications and of particular benefit for large area concrete surfaces, such as airport runways, roads and bridgeworks.

- Improved curing of concrete
- Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust-free surface minimising potential for cracking and shrinkage
- Spray application reduces labour costs and eliminates the need for alternative curing systems

### Supplied as:

20 litre and 200 litre drums

### Coverage:

Between 3.5 and 5.0m<sup>2</sup>/litre  
(0.200 to 0.285 litres/m<sup>2</sup>)



## ■ Adomast Adolease

General purpose mould release oil.

Adolease is designed for everyday site use.

It is a low viscosity, readily applied mineral oil based mould release agent.

Designed to give reliable high performance with all formwork.

Adolease forms a physical barrier between the formwork and the concrete giving a quick, clean and easy release with minimum blowhole formation and providing a sharp, uniform and non-stained concrete surface.

- Double action provides physical barrier and chemical release properties
- Facilitates maximum re-usage of all types of formwork
- Provides uniform stain-free concrete surfaces
- Minimises incidence of surface air voids
- Will not impair the bond of any subsequent treatments to concrete
- Concrete deposits on forms virtually eliminated
- Dries rapidly on forms providing cleaner safer working surfaces
- Will not be removed by rain showers or light foot traffic
- Inhibits rust formation on steel forms
- Light spray mist coat application provides extremely economic usage
- Suitable for use on all types of formwork in all climatic conditions
- Minimises discoloration of concrete surface

### Coverage:

Between 40 to 50m<sup>2</sup> per litre  
(depending upon surface porosity)



## ■ Flexcrete Curing Membrane WB

Curing Membrane WB is a specially formulated, water based Curing compound utilising advanced acrylic copolymers, which is designed for use with the Flexcrete Repair & Protection System. It is non-degrading, enabling it to be used externally as a sealer or readily overcoated with specialist Membranes from the Flexcrete range.

Flexcrete Curing Membrane WB is a non-degrading formulated acrylic resin sealer, which forms an elastic, durable matrix within the surface of cementitious substrates. When used with Flexcrete Repair Mortars and Coatings, it conforms to the requirements for water retention given in ASTM C309. The product is water based and has BBA Certification making it ideal for use in confined areas. When cured, it shows excellent resistance to blushing and weathering and can also be used as a sealer coat for concrete.

- Spray as supplied onto freshly placed repair mortars, fairing coatings, cementitious coatings or concrete
- Convenient alternative to the use of traditional curing aids such as polythene sheeting, damp hessian or sand
- Non-yellowing, stable product not significantly altering the appearance of mortar/concrete
- Retains over 85% of the water in the repair mortar during the first 72 hours
- Safe, water-based product ideal for use in confined areas
- Non-degrading membrane which enhances adhesion when overcoated with Flexcrete specialist Membranes

### Coverage:

25 - 35m<sup>2</sup> per 5 litre pack



## ■ Adomast Adocure WW

Water based surface hardener and curing agent.

Adocure WW is an aqueous silicate solution that reacts to deposit an integral layer of high strength crystals in the concrete pore structure.

Helps prevent premature drying out of the concrete surface reducing the risks of surface cracking and dusting.

Improves the durability of the concrete surface.

- Economical and very easy to apply
- Prevents premature drying out of the concrete surface
- Reduced risks of surface cracking and reduced likelihood of surface dusting
- Improves the durability of the concrete surface
- Will enable the concrete to attain improved physical properties
- A tinted grade with a fugitive dye, ADOCURE WWT, is also available to assist in identification during application

### Coverage:

Applied by spray or watering can at a rate of approximately 4-6m<sup>2</sup> per litre



# Nationwide Depots

## ■ Adomast Adowax

Ready to use, brushable wax protective coating and mould release agent.

Adowax is a blend of mould release oil and specially selected temperature resistant waxes.

This helps with the initial seal of porous formwork and can be used as a mould release agent where the use of liquid release oil is not practical.

It is easy to apply and helps waterproof and protect formwork in all climatic conditions and when not in use.

- Ready to use, easy to apply
- May be applied to damp formwork surfaces
- Reduces possibility of wood sugar migration and possible staining
- Waterproofs and protects formwork
- Formwork ready for use within an hour
- Protects formwork when not in use



### Supplied as:

20Kg resealable containers

### Coverage:

10-12m<sup>2</sup>/Kg typical for impervious surface.  
Absorbent and rough surfaces  
4-6m<sup>2</sup>/Kg. Depending on particular material.



## ■ Adomast Safelease

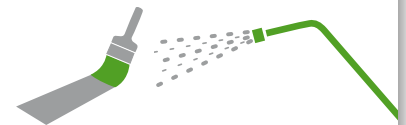
Environmentally friendly mould release emulsion.

Developed using the latest water soluble polymer technology, to produce an environmentally friendly and highly effective mould release agent for general site use.

A low odour, low VOC, non-staining mould release agent designed with minimum blowhole formation and providing a sharp, uniform and non-stained concrete surface. Apply thinly, by spray, brush or swab prior to each concrete pour. Application should be a minimum of 1 hour before pouring, for the excess water to evaporate off and the release film to be properly established.

It is particularly suited for white or fair faced concrete finishes.

- Recommended for high quality finishes
- WRAS approved product
- Low to no odour
- Safe, environmentally friendly product
- NO VOC content
- Low viscosity for easy application
- Readily biodegradable
- After water evaporation, film is resistant to water wash off
- Forms may be stripped early when other factors permit
- Suitable for use with white, coloured or standard OPC concrete finishes
- Non-staining
- Fully compatible with the subsequent application of silicone or similar surface treatments when used as recommended



### Coverage:

Between 30 to 40m<sup>2</sup> per litre depending upon surface porosity and texture. Protect from rain when still wet.

## ■ Adomast Adostrike

High oil content solvent based mould oil.

Designed for general site and precast use, Adostrike is a higher concentration of mould release chemicals blended together to achieve the highest quality concrete finish.

Adostrike is a premium quality mould oil that offers excellent release characteristics.

It has low sag qualities which allows application long in advance of casting without loss in release performance or quality of finish.

Suitable for use on all types of formwork, even on sealed or unsealed timber in all climatic conditions.

It is highly resistant to removal by rain showers or foot traffic.

- Facilitates easy formwork release
- Provides high quality uniform stain-free concrete surfaces
- Minimises incidence of surface air voids
- High coverage rate provides economic usage
- Forms may be stripped early as other factors permit
- Ideal for achieving release from multi-planed features e.g. trapezoidal ribs, cone shaped column heads etc.
- Suitable for use with white or standard OPC concrete finishes
- Fully compatible with the subsequent application of silicone or similar surface treatments when used as recommended
- Low odour and hazard



### Coverage:

Between 30 to 40m<sup>2</sup> per litre  
(depending upon surface porosity)



## ■ Adomast Safetard Gel

Colour tinted water based transparent gel based surface retarder for application to mould face formwork.

Safetard Gel has been formulated to retard the set of fresh concrete that comes into contact with it. It is ideally suited to the production of exposed aggregate finishes or 'keyed' surfaces for construction joints.

- Easily applied by brush
- WRAS approved product
- Suitable for all formwork types
- Weather resistant
- Single coat application
- Concrete can be applied immediately or later
- It will not stain or discolour the concrete
- Water based with no flammable or toxic constituents
- Fully Biodegradable.
- No VOC's
- Non-hazardous and fully biodegradable
- Any residue on formwork is easily removed
- Can be used for vertical surfaces

### Coverage:

3-5m<sup>2</sup> per litre. Rate will depend on surface texture and porosity



## ■ Adomast Safetard Liquid

Brown coloured water based surface retarder for application to concrete top face.

Safetard Liquid has been formulated to retard but not kill the set of freshly placed top face concrete that it comes into contact with.

Easily applied, Safetard Liquid is non-hazardous, fully biodegradable and will not discolour concrete that it comes into contact with.

- Easily spray applied
- Weather resistant
- Single layer application
- Concrete can be applied immediately or later
- Non-staining
- Water based with no flammable or toxic constituents
- Fully Biodegradable
- Any residue left on the formwork is easily removed
- No VOC's
- WRAS approved product

### Coverage:

3-5m<sup>2</sup> per litre.  
A heavier coating may be required for very dry concrete mix



## ■ Adomast Adocure Sealer

Concrete Curing & Sealing Compound.

Adocure sealer is a clear, low viscosity acrylic polymer resin solution, targeted primarily for application to surfaces of freshly laid concrete where it has a double function.

Firstly, to form a highly effective concrete curing membrane that conforms to ASTM C309 and secondly to act as an in-depth sealer for the hardened concrete rendering its surface dustproof and extremely hard wearing.

Adocure Sealer is also available for Power Floated floors – Adocure Sealer PF.

- Cures and seals in one operation saving time and labour
- Ideal for use in fast-track construction
- Curing efficiency 75% in accordance with ASTM C309
- Provides abrasion resistant hard wearing easy-clean surface
- Effective anti-carbonation coating
- Permits bond of most subsequent coatings intended for concrete

### Supplied as:

210 and 25 litre containers

### Coverage:

New concrete minimum coverage of 6m<sup>2</sup> per litre immediately after final finishing and when surface water is no longer evident.

Existing concrete apply by fan-jet sprayer as above to surfaces that should be clean, sound and free of laitance oil, paint or any other contaminants.



## ■ Adomast Adocure Super

90% Efficiency Concrete Curing Compound.

Applied to the surface of freshly laid concrete, Adocure Standard physically 'locks' moisture into freshly cast concrete allowing full hydration of the cement thus allowing the concrete to fully cure. This is achieved by covering the surface of the concrete with a very thin resin film that prevents moisture in the concrete from leaving the surface.

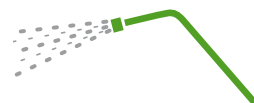
Benefits - reduced surface shrinkage and cracking, more durable hard wearing surface and prevention of dusting.

Adocure Super available in an Aluminised version – Adocure Super AL to aid UV reflectivity, and in a fugitive dye tinted form to assist visual indication during application – Adocure Super T.

- Prevents premature drying out of the concrete surface, thus:
- Reducing the risks of surface cracking and reducing the risk of surface dusting
- Improves the durability of the concrete surface
- Will enable the concrete to attain improved physical properties
- 90% Curing efficiency
- Easy to use, spray application

### Coverage:

Apply the selected grade by spray at a rate of approximately 4 - 6m<sup>2</sup> per litre



# Nationwide Depots

## ■ Adomast Adocure Sealer PF

Concrete Curing & Sealing Compound for Power Floated Flooring.

Adocure sealer PF is a clear, low viscosity acrylic polymer resin solution, targeted primarily for application to surfaces of freshly laid concrete that has been power floated.

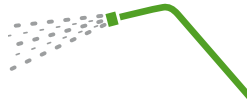
It has been designed with dual functionality:

Firstly to form a highly effective concrete curing membrane that conforms to ASTM C309.

Secondly to act as an in-depth sealer for the hardened concrete rendering its surface dustproof and extremely hard wearing.

Apply by fan-jet sprayer to achieve a typical coverage of 12m<sup>2</sup> per litre immediately after final finishing and when surface water is no longer evident. Avoid over application, Adocure sealer PF should not be allowed to form 'puddles' but to just leave a wet gloss appearance.

- Cures and seals in one operation saving time and labour
- Ideal for use in fast-track construction
- Curing efficiency 75% in accordance with ASTM C309
- Provides abrasion resistant hard wearing easy-clean surface
- Effective anti-carbonation coating
- Permits bond of most subsequent coatings intended for concrete
- Spray applied immediately after final finishing and when surface water is no longer evident



### Supplied as:

210 and 25 litre containers

### Coverage:

12m<sup>2</sup> per litre typical

## ■ Adomast Safecure Super

Aqueous Based 90% Efficiency Concrete Curing Compound.

Applied to the surface of freshly laid concrete, Safecure Super physically 'locks' moisture into freshly cast concrete allowing full hydration of the cement thus allowing the concrete to fully cure. This is achieved by covering the surface of the concrete with a very thin temporary membrane that prevents moisture in the concrete from leaving the surface.

Benefits - reduced surface shrinkage and cracking, more durable hard wearing surface and prevention of dusting.

Safecure Super is also available in a fugitive dye tinted form to assist visual indication during application – Safecure Super T.

- Reduces surface shrinkage and cracking by controlling moisture loss from surfaces
- Increases water resistance
- Enables cement to hydrate more efficiently
- WRAS Approved
- Prevents dusting
- Non-toxic and non flammable
- Eliminates need for damp hessian, sand or polythene
- NO VOC



### Coverage:

Spray at a rate of approximately 4 - 6m<sup>2</sup> per litre



## ■ Kespach EM41

Kespach EM41 is a solvent free epoxy mortar having excellent adhesion, strength and chemical resistance.

Kespach EM41 is ideal as a general repair mortar for repairs to spalled or damaged concrete and as a general adhesive.



### Supplied as:

Two pack system in  
5kg Tubs

### Coverage:

2.75 Litres per 5kg pack  
(5.5m<sup>2</sup> @ 5mm thickness  
approx.)

## ■ RonaStreet Kerb Repair

RonaStreet Kerb Repair is a pre-packed polymer modified mortar designed for rapid strength gain and low temperature use. Within one hour of mixing (depending on temperature) the material will have gained sufficient strength to take impact and abrasion from foot and vehicle traffic. Supplied with a primer. It can be used in thicknesses from 6 to 50mm.

- Internal and external use
- Can be laid in low temperatures down to -10°C
- Waterproof and frost proof
- Ultra-rapid strength gain
- Traffic within 1-2 hours

### Supplied as:

5kg packs



## ■ Flexcrete BONDING BRIDGE 842

To enhance the bond between high porosity concrete and the relevant FLEXCRETE REPAIR MORTARS or other cement based materials. It can compensate for some inadequacies in surface preparation and prevents rapid drying of the mortar at the concrete interface on porous backgrounds with high suction. Pre-packaged, requiring mixing using the measuring kit supplied. Brush applied in one coat.

Advanced, polymer modified, cementitious surface impregnant with high penetration into concrete. It further increases the adhesion of FLEXCRETE REPAIR MORTARS and prevents rapid drying at the concrete interface on porous backgrounds with high suction.

### Supplied as:

4kg pack



## ■ Fosroc® XR 45

Rapid Setting Cementitious Bedding and Repair Mortar supplied as a ready to use blend of cements, graded aggregates and additives. Add water to form a rapid setting mortar. It can be applied in thicknesses from 10mm to 75mm in one application.

XR 45 has been specifically formulated for bedding highways ironwork with rapid return to service and is particularly useful when temperatures are expected to be at, or just above freezing.

- Rapid bedding and levelling of manhole frames
- Rapid fixing of signposts and street furniture
- Rapid deck repairs
- Trafficable within 1 hour
- Part bag mixing
- Manufactured under an approved BS EN ISO 9001 Quality System



### Supplied as:

25kg bags

### Coverage:

Approximately 12.0  
litres/25kg bag  
(1.0m<sup>2</sup> at 12mm thickness)

## ■ Fosroc® XR 90

General purpose easy to use fast-setting cementitious bedding and repair mortar. XR 90 is supplied as a pre-mixed blend of cements, silica sands and additives, which only requires mixing with clean water to produce a consistent mortar. It has excellent bond strength without the use of a primer and can be applied in thicknesses of 10mm to 75mm in one application.

XR 90 has been specifically formulated for bedding highway ironwork, with return to service within 120 minutes of placing and is particularly useful where delays to construction need to be avoided.

Also used for emergency and general concrete repairs.

- Less expensive than epoxy and polyester resin mortars
- Shrinkage compensated formulation
- Part bags may be mixed
- Hand or mechanical mixing
- Manufactured under an approved BS EN ISO 9000 Quality System



### Supplied as:

25kg bags

### Coverage:

Approximately 12.0  
litres/25kg bag  
(1.0m<sup>2</sup> at 12mm thickness)

## ■ Fosroc® Nitomortar S

Nitomortar S is a high strength epoxy mortar, based on a high quality solvent-free epoxy resin system. The special silica aggregates provide high strength and excellent abrasion resistance.

Nitomortar S is a three-component material supplied in pre-weighed quantities ready for on-site mixing and use.

For the fast and permanent reinstatement of concrete. The product is designed for horizontal use but can be applied vertically, although generally in thinner sections. It is ideally suited for acid tanks, sea walls, industrial floors and for use as a bedding mortar. Nitomortar S can be used for emergency repairs where fast strength gain is important. When properly compacted, the mortar is highly impermeable.

- Early development of strength minimises disruption
- Highly resistant to a wide range of chemicals
- Highly impermeable to water
- Twice as strong as good quality concrete, suitable for heavily trafficked areas
- Can be applied in cold conditions down to 5°C



### Supplied as:

5kg 'Standard' packs and  
16kg 'Industrial' packs

### Coverage:

2.5 litres/5kg 'Standard' pack  
8.0 litres/16kg 'Industrial' pack

## ■ Fosroc® Paveroc

Paveroc is supplied as a ready to use blend of dry powders, which simply requires the addition of clean water to produce a highly consistent repair mortar. A high performance reinstatement mortar for large areas of concrete pavements and floors, conforming to the requirements of BS EN 1504-3 Class R4.

Paveroc is designed for horizontal use. It may be applied up to a maximum thickness of 100mm. Thicker sections can be built up in layers. Material should not be applied at less than 12mm thickness. Individual bay sizes should not exceed 18m<sup>2</sup>. Consult the local Fosroc office for further information.

For the reinstatement of large areas of concrete pavements and floors to avoid the total replacement of bays.

The product is alkaline in nature and will protect embedded steel reinforcement. It may be used internally and externally. Patchroc GP is recommended for emergency patching of small areas of concrete pavements and floors.

- Will generally accept pedestrian traffic at 12 hours
- High strength, abrasion and weather resistance
- One component
- Excellent bond
- Shrinkage compensated
- Contains no chloride admixtures
- Can be applied in cold conditions down to 5°C



### Supplied as:

25 kg bags

### Coverage:

Coverage approximately  
11.5 litres/25kg bag  
(approximately 0.9m<sup>2</sup>  
at 12mm thickness)

## ■ Fosroc® Nitomortar PE

High strength jointing and multi-purpose repair compounds. Nitomortar PE products are based on a polyester resin system. There are two grades.

**Nitomortar PE:** The standard material for general purpose use.

**Nitomortar PE Concrete:** A special grade allowing users to add suitable aggregate, thereby substantially reducing the cost of infilling larger voids.

A winter version of Nitomortar PE Standard is available which is faster setting at low ambient temperatures. Both grades of Nitomortar PE are supplied as two-component products with pre-weighed quantities of liquid resin and powdered hardener, ready for on-site mixing and use. The hardener system enables the mix to be varied from a pourable consistency to a trowellable mortar without significantly affecting the setting times or strengths achieved.

For fast and emergency reinstatement of concrete, bedding, jointing and reprofiling of concrete, masonry and brickwork. Nitomortar PE is ideally suited for the repair and reprofiling of precast concrete units, damaged arrises and treads. It can be used to infill hollows and holes in concrete floors, bedding and fixing kerbstones, manhole sets, frames, brick slips, ceramic tiles, slabs and coping stones. Nitomortar PE Concrete should be used to repair larger voids.

- Fast development of strength minimises disruption - stronger than concrete within 2 hours
- No primer required
- High chemical and oil resistance
- Part bags may be mixed
- Will cure down to 0°C
- Pre-weighed components ensure consistency
- Highly impermeable



### Supplied as:

Nitomortar PE 14kg packs  
Nitomortar PE Winter  
14kg packs  
Nitomortar PE Concrete  
11kg packs

### Coverage:

Nitomortar PE and  
Nitomortar PE winter grade:  
7.5 litres /14kg pack.  
Nitomortar PE Concrete:  
15 to 27.5 litres/11kg pack  
(dependent on aggregate  
addition).

## ■ Fosroc® Nitoprime Zincrich Plus

Single component zinc primer for use with Renderoc repair system. Nitoprime Zincrich Plus is supplied as a single component grey-coloured liquid based on metallic zinc.

Recommended anti-corrosion primer for exposed steel reinforcement for use with Fosroc concrete repair mortars. It is fully compatible with all Renderoc mortars and fluid micro-concretes.

- 'Active' zinc-rich system combats corrosion by electro-chemical means
- Formulated for use with Renderoc repair products
- No restrictive pot-life
- Economical



### Supplied as:

1.9 litre and 800ml cans

### Coverage:

Coverage 8m<sup>2</sup>/litre

## ■ Fosroc® Patchroc GP

Fast setting emergency patching mortar for concrete pavements and floors conforming to the requirements of BS EN 1504-3 Class R4. Patchroc GP is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent repair mortar.

It is based on Portland cements, graded aggregates, and chemical additives providing a mortar with good handling characteristics while minimising water demand. The low water requirement ensures good strength gain and long-term durability.

Patchroc GP is designed for horizontal use. It may be applied up to a maximum thickness of 100mm. Thicker sections can be built up in layers. Material should not be applied at less than 12mm thickness. Individual bay sizes should not exceed 4m<sup>2</sup>.

For emergency and permanent reinstatement of localised patches in concrete pavements, airport aprons, access ramps and floors.

The product is alkaline in nature and will protect embedded steel reinforcement. It may be used internally and externally.

- Will generally accept traffic in 2 hours.
- High strength, abrasion and weather resistance
- Shrinkage compensated
- Contains no chloride admixtures
- Can be applied in cold conditions down to 5°C



### Supplied as:

25kg bags

### Coverage:

12 litres/25kg bag  
(approximately 1.0m<sup>2</sup> at  
12mm thickness)

## ■ Fosroc® Renderoc HB

Renderoc HB high build, polymer modified, cementitious repair mortar (R2), has been specifically engineered for vertical and overhead repair work. It can be applied in sections up to 80mm thickness in vertical locations and up to 50mm thickness in overhead locations in a single application and without the use of formwork. Thicker sections can be achieved by the use of formwork or can be built up in layers. Deep pockets can sometimes be filled in a single application dependent on the configuration of the pocket and the volume of exposed reinforcing steel.

Renderoc HB can be quickly and efficiently applied by the wet spray technique. A Fosroc primer should be applied.

- Compatibility with non-structural concrete of compressive strength 20 - 35 N/mm<sup>2</sup>
- Lightweight formulation enables extra high-build - fewer cold joints
- Frequently obviates the need for formwork
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides
- Exceptional system of shrinkage compensation provides long-term dimensional stability
- Contains no chloride admixtures



### Supplied as:

18kg bags

### Coverage:

14.5 -15.0 litres/18 kg bag  
(approximately 1.5m<sup>2</sup>  
at 10mm thickness)

## ■ Fosroc® Renderoc GP

Renderoc GP general purpose cementitious repair mortar (R3) has been specifically engineered for vertical repair work. It can be applied in sections up to 30 mm thickness in vertical locations and up to 20 mm thickness in overhead locations in a single application and without the use of formwork.

Thicker sections can be achieved by the use of formwork or can be built up in layers. Deep pockets can sometimes be filled in a single application dependent on the configuration of the pocket and the volume of exposed reinforcing steel.

Renderoc GP can be quickly and efficiently applied by the wet spray technique. Consult Kestral for further information.

The material should not be applied at less than 10mm thickness. A Fosroc primer should be applied.

- Compatibility with concrete of compressive strength 20 - 35N/mm<sup>2</sup>
- Frequently obviates the need for formwork
- Extremely low permeability to water, carbon dioxide and chlorides
- Exceptional system of shrinkage compensation provides long-term dimensional stability
- Can be applied quickly and efficiently by wet spraying
- One component, pre-bagged
- Contains no chloride admixtures



### Supplied as:

25kg bags

### Coverage:

16 litres/25kg bag  
(approximately 1.6m<sup>2</sup>  
at 10mm thickness)

## ■ Fosroc® Renderoc FC

Renderoc FC cementitious, polymer modified, fairing coat is designed for vertical and overhead use to infill honeycombing and voids up to 3 mm deep in the surface of concrete which is not trafficked and is subsequently coated.

Renderoc FC is supplied as a ready to use blend of dry powders requiring only the site addition of clean water to produce a highly consistent cementitious fairing mortar. The material has good handling characteristics, while minimising water demand. The product exhibits excellent thermal compatibility with concrete and is fully compatible with other Renderoc mortars and Dekguard coatings.

- Compatibility with non-structural concrete of compressive strength 20 - 35 MPa
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides
- Excellent bond to concrete
- Can be applied quickly and efficiently
- One component, pre-bagged
- Contains no chloride admixtures



### Supplied as:

25kg bags

### Coverage:

15.0 litres/25kg bag  
(5m<sup>2</sup> at 3mm thickness  
approximately)

# Nationwide Depots



## ■ Fosroc® Renderoc HB30

High performance fibre reinforced lightweight concrete reinstatement mortar conforming to the requirements of BS EN 1504-3 Class R3.

Renderoc HB30 high performance, fibre reinforced, lightweight mortar (R3) has been specifically engineered for vertical and overhead repair work. It can be applied in sections up to 60 mm thickness in vertical locations and up to 40mm thickness in overhead locations in a single application and without the use of formwork. Thicker sections can be achieved by the use of formwork or can be built up in layers. Deep pockets can sometimes be filled in a single application dependent on the configuration of the pocket and the volume of exposed reinforcing steel.

Renderoc HB30 can be quickly and efficiently applied by the wet spray technique. A Fosroc primer should be applied.

- Maximum compatibility with concrete of compressive strength 20 - 35 N/mm<sup>2</sup>
- Lightweight formulation enables extra high-build - fewer cold joints
- Frequently obviates the need for formwork
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides
- Exceptional system of shrinkage compensation provides long-term dimensional stability
- One component pre-bagged  
Contains no chloride admixtures

### Supplied as:

22kg bags

### Coverage:

15.0 litres /22kg bag  
(approximately 1.5m<sup>2</sup>  
at 10mm thickness)



## ■ Fosroc® Renderoc HB45

High performance fibre reinforced medium weight concrete reinstatement mortar conforming to the requirements of BS EN 1504-3 Class R4.

Renderoc HB45 high performance, fibre reinforced, medium weight mortar (R4) has been specifically engineered for vertical and overhead repair work. It can be applied in sections up to 40mm thickness in vertical locations and up to 30mm thickness in overhead locations in a single application without formwork.

Thicker sections can be achieved by the use of formwork or can be built up in layers. Deep pockets can sometimes be filled in a single application dependent on the configuration of the pocket and the volume of exposed reinforcing steel.

Renderoc HB45 can be quickly and efficiently applied by the wet spray technique. The material should not be applied at less than 10mm thickness.

- Maximum compatibility with concrete of compressive strength 35 - 60N/mm<sup>2</sup>
- High-build applications possible while maintaining higher compressive strengths - fewer cold joints
- Frequently obviates the need for formwork
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides
- Shrinkage compensation provides long-term dimensional stability
- One component pre-bagged  
Contains no chloride admixtures

### Supplied as:

25kg bags

### Coverage:

Approximately 14 litres/25kg  
bag (approximately 1.4m<sup>2</sup>  
at 10mm thickness)



## ■ Fosroc® Renderoc ST 05

Renderoc ST 05 is a Protective Cementitious Coating and levelling mortar for applications from feather degs to 5mm conforming to the requirements of BS EN 1504-3 Class R4.

It can be applied in thin layers for filling blow-holes or imperfections in concrete to produce a smooth surface. Renderoc ST 05 also provides a chloride and carbonation barrier and can be left as a fair-face finish or over coated. It can be used as a scrape-coat, brush or trowel applied, placed in thicknesses from 0-5mm.

- Easy to mix and apply
- Vertical and horizontal applications
- Excellent bond to concrete without priming
- Formulated blow hole filler
- Carbonation barrier
- Chloride barrier
- High frost resistance
- High compressive strength



### Supplied as:

20kg bags powder and  
5.0 litres of liquid

### Coverage:

Approximately 12 litres per  
pack depending on mix ratio



## ■ Fosroc® Renderoc LA55

High performance free flowing low alkali micro concrete conforming to the requirements of BS EN 1504-3 Class R4.

Renderoc LA55 high performance, shrinkage compensated, micro concrete (R4) is designed for large volume repairs typically in excess of 50mm deep. The product can be applied in sections generally up to 150mm thick although greater thickness may be achievable dependent on the configuration of the repair location and the volume of exposed reinforcing steel. A Fosroc primer should be applied.

- Maximum compatibility with concrete of compressive strength 30 - 60 N/mm<sup>2</sup>
- Complies with BD 27/86 clause 4 and the Specification for Highway works clause 1704.5.
- Dual expansion system compensates for shrinkage in the plastic and hardened states
- Low alkali content minimises risk of alkali-silica reaction
- Exceptional bond to concrete substrates without independent primer
- Suitable for placement by pumping or pouring techniques into restricted locations
- Self-compacting nature eliminates honeycombing and displaces air without vibration
- High strength and low permeability provide maximum protection against carbon dioxide and chlorides
- One component pre-bagged
- Contains no chloride admixtures



### Supplied as:

25kg bags

### Coverage:

12 litres/25kg bag (approx.)

## ■ Fosroc® Nitofill LV and Nitofill TH

Low viscosity or thixotropic epoxy resin injection grout.

**Nitofill LV:** A two pack low viscosity epoxy resin product for the repair of cracked concrete and masonry by the injection process between 0.25mm and 9mm wide in concrete and masonry, where both sides of the crack can be sealed to prevent resin drainage.

Low viscosity: Permits maximum resin penetration.

**Nitofill TH:** Developed for the injection of cracks 0.5 to 9mm wide in concrete and masonry, and has been specially formulated to minimise the drainage of resin from cracks which are incompletely sealed. A two pack thixotropic epoxy resin product.

Thixotropic: Permits injection of open-ended cracks.

- Achieve high strength bond to dry or wet concrete
- Material designed for low creep
- No loss of bond or surface contact
- High compressive, tensile and flexural strengths
- Withstands most chemicals, acids and alkalis, also water and frost

### Supplied as:

Nitofill LV - 3 litre pack

Nitofill TH - 1 litre pack



## ■ Fosroc® Renderoc RP252

Two component fibre and polymer modified cementitious mortar for re-profiling and protection conforming to the requirements of BS EN 1504-3 Class R3.

Renderoc RP252 is a cementitious fibre and polymer modified re-profiling and protective mortar designed for vertical or horizontal use. It can be applied as a render from 3 mm to a practical maximum depth of 15 to 20mm on verticals and 10mm on soffits. On horizontal surfaces greater thickness e.g. 25mm can be applied, however other grades of Renderoc may be more appropriate.

Prior to the application of Renderoc RP252 any necessary repairs to the concrete should be undertaken using the Fosroc Systematic Approach.

- Easy to use
- Wide range of application thickness
- Low permeability provides protection against carbon dioxide and water-borne chlorides
- Excellent bond to the concrete substrate
- One component pre-bagged
- Shrinkage compensated



### Supplied as:

Renderoc RP252 -  
20kg bags, 3.4 litre bottles  
Renderoc RP252 Surface  
Conditioner  
5 and 25 litre drums

### Coverage:

Renderoc RP252 - 12 litres  
per pack (approximately  
2.4m<sup>2</sup> at 5mm thickness)  
Renderoc RP252  
Surface Conditioner  
Yield 7 to 9m<sup>2</sup>/litre

## ■ Fosroc® Concure WB

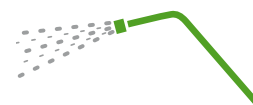
Concure WB is a water based concrete curing compound based on a low viscosity wax emulsion. It is supplied as a white emulsion which forms a clear film on drying.

When first applied to a fresh cementitious surface the emulsion breaks to form a continuous, non-penetrating white coating. This dries to form a continuous clear film which provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage.

Use as a spray applied membrane to retain moisture in concrete for effective curing. Suitable for all general concreting applications and of particular benefit for large area concrete surfaces, such as airport runways, roads and bridgeworks.

Thixotropic: Permits injection of open-ended cracks.

- Improved curing of concrete enhances cement hydration and provides a more durable concrete
- Control of moisture loss improves surface quality, reducing permeability, producing a hard wearing, dust-free surface and minimising potential for surface cracking and shrinkage
- Fugitive colour provides visual guide during application
- Water based
- Spray application reduces labour costs and eliminates the need for alternative curing systems



### Supplied as:

200 litre and 20 litre drums

### Coverage:

3.5 and 5.0m<sup>2</sup>/litre  
(0.200 to 0.285 litres/m<sup>2</sup>)

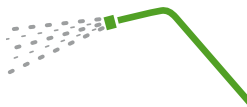
# Nationwide Depots

## ■ Fosroc® Renderoc HBS

Renderoc HBS high strength, high build, concrete repair mortar (R4) has been specifically engineered for vertical and overhead repair work. It can be applied in sections up to 40 mm thickness in vertical locations and up to 30 mm thickness in overhead locations in a single application without the use of formwork.

Thicker sections can be achieved by the use of formwork or can be built up in layers. Deep pockets can sometimes be filled in a single application dependent on the configuration of the pocket and the volume of exposed reinforcing steel. Renderoc HBS can be quickly and efficiently applied by the wet spray technique. A Fosroc primer should be applied.

- Compatible with concrete of compressive strength 35 - 60N/mm<sup>2</sup>
- High-build applications possible while maintaining higher compressive strengths - fewer cold joints
- Frequently obviates the need for formwork
- Polymer-modification provides extremely low permeability to water, carbon dioxide and chlorides
- Shrinkage compensated to provide long-term dimensional stability
- One component pre-bagged
- Contains no chloride admixtures



### Supplied as:

25kg bags

### Coverage:

15 litres/25kg bag  
(approximately 1.5m<sup>2</sup> at  
10mm thickness)

## ■ Flexcrete FASTFILL

FASTFILL is a rapid setting, Portland cement-based structural mortar for the durable repair of concrete which cannot be taken out of service for long periods, or in areas subjected to heavy wear such as roads, runways, bridges, decks, floors and footpaths. Can be used as supplied or bulked out with sharp sand or aggregate.

FASTFILL is a single component, polymer modified, fibre-reinforced, Portland cement based repair compound, which is physically and chemically compatible with the host concrete. It exhibits unique hydraulic properties to produce a rapid curing mortar with enhanced polymeric properties and reliable strength development which is not significantly affected by low temperature use. Can be used as supplied up to 100mm deep, or can be bulked out with sharp sand or aggregate to a flowing consistency for floor or deck repairs up to maximum depth of 300mm.



### Supplied as:

25kg pack

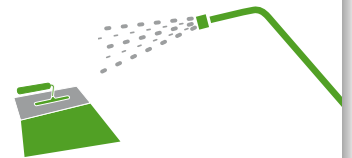
### Coverage:

Min 5mm thickness  
Max 50mm thickness  
on vertical & soffits  
100mm on decks & floors

## ■ Flexcrete MONOLEVEL RM

For the rendering and profiling of in-situ and precast concrete in vertical, horizontal and overhead surfaces. Can also be applied by wet spray techniques.

MONOLEVEL RM is a single component, thixotropic, fibre reinforced, polymer modified, cementitious mortar which cures rapidly to produce a high performance, waterproof, fair-faced render with enhanced polymeric properties. The product is supplied as a single component system ready for on-site mixing and use, requiring only the addition of clean water.



### Supplied as:

25kg bags

## ■ Flexcrete MONOLEVEL 844SP

MONOLEVEL 844SP is a fully waterproof, engineering quality fairing coat for filling minor blow holes and defects, and for repairing surface cavities and honeycombed concrete. Thin screed applications can be used to level both vertical and horizontal concrete surfaces and to reinstate cover while providing a fair faced anti-carbonation finish.

MONOLEVEL 844SP is a single component, thixotropic, polymer modified, cementitious repair mortar with high adhesive properties, allowing it to be used as a waterproof screed, as well as a filler, for filling minor voids and defects to provide a fair faced finish. It incorporates the most advanced microsilica, polymer and fibre technology, curing to provide high waterproofing properties, excellent protection from acid gases, chlorides and freeze/thaw cycles as well as enhanced chemical resistance. The product is supplied as a single component system requiring only the addition of clean water.

### Supplied as:

25kg bags



## ■ Flexcrete MONOLEVEL FC

An engineering quality fairing coat for filling minor blow holes and defects, and for repairing surface imperfections. Thin screed applications can be used to level both vertical and horizontal concrete surfaces to provide a fair faced finish.

MONOLEVEL FC is a single component, thixotropic, polymer modified, cementitious mortar with high adhesive properties, allowing it to be used as a thin screed, as well as a filler for filling minor voids and defects to provide a fair faced finish. It incorporates the most advanced microsilica, fibre and polymer technology, curing to provide enhanced freeze/thaw resistance and protection from the ingress of water, acid gases and chlorides. The product is supplied as a single component system requiring only the addition of clean water.

### Supplied as:

25kg bags



## ■ Flexcrete MARINE MORTAR S

For the structural repair and profiling of vertical, horizontal and overhead surfaces in marine and tidal areas which are subject to early immersion.

MARINE MORTAR S is a thixotropic, fibre reinforced, polymer modified, cementitious mortar with excellent cohesion for use in areas subject to early immersion. It cures rapidly to produce a high strength mortar with enhanced polymeric properties for the repair of voids in aggressive marine environments.

MARINE MORTAR S is supplied as a two component system in pre-weighed quantities ready for on-site mixing and use, requiring no extra additions of water or aggregate and is suitable for application thicknesses up to 50mm.

**Supplied as:**

30kg pack



## ■ Flexcrete MONOMIX

MONOMIX is a low density, high strength, shrinkage compensated, waterproof mortar for the structural repair, rendering and profiling of vertical, horizontal and overhead surfaces.

MONOMIX is a single component cementitious mortar which incorporates the most advanced cement chemistry, microsilica, fibre and styrene acrylic copolymer technology. This results in a rapid hardening, low density, high strength mortar with enhanced polymer properties. The thixotropic nature of the product enables easy high build trowel application for the structural repair of voids and the rendering and re-profiling of both vertical, horizontal and overhead surfaces. The product is supplied as a single component system ready for on-site mixing and use, requiring only the addition of clean water.

**Supplied as:**

25kg pack



## ■ Flexcrete MONOLITE

MONOLITE is a lightweight, high build, shrinkage compensated, polymer modified mortar for the repair, rendering and profiling of concrete, brick or stone substrates.

MONOLITE is a single component cementitious mortar which incorporates the most advanced cement chemistry, microsilica, fibre and styrene acrylic copolymer technology. This results in a rapid hardening, low density mortar with enhanced polymer properties. The thixotropic nature of the product enables easy high build trowel application for the repair of voids and the rendering and re-profiling of both vertical and horizontal surfaces. The product is supplied as a single component system requiring only the addition of clean water.

**Supplied as:**

18kg pack



## ■ Flexcrete MONOMIX HD

A high strength, waterproof, shrinkage compensated, standard density mortar with good abrasion resistance for the structural repair, rendering and profiling of vertical, overhead and horizontal surfaces including trafficked areas.

MONOMIX HD is a single component cementitious mortar which incorporates the most advanced cement chemistry, microsilica, fibre and styrene acrylic copolymer technology. This results in a rapid hardening, normal density, high strength mortar with enhanced polymer properties. The thixotropic nature of the product enables easy high build trowel application for the structural repair of voids and the rendering and re-profiling of both vertical, horizontal and overhead surfaces. The product is supplied as a single component system requiring only the addition of clean water.

**Supplied as:**

25kg pack



## ■ Flexcrete MONORUB

Fine grade polymer modified mortar for filling blow holes and minor surface defects to produce a fine formed finish. Available in Grey and White versions to enable colour matching with the parent concrete.

MONORUB is a single component, polymer modified cementitious mortar for the filling of blow-holes and small surface defects in precast and in-situ concrete, whilst providing an aesthetic yet durable finish. The incorporation of a polymer enhances adhesion and imparts a high degree of water repellency to the surface of concrete, making it denser and more impermeable. Once cured, if required it can be overcoated with specialist membranes in the Flexcrete range to provide further protection and aesthetic quality.

**Supplied as:**

25kg pack



## ■ Flexcrete MONOMIX WS

MONOMIX WS is a low density, high strength, shrinkage compensated mortar, which can be applied by wet process spraying techniques for the structural repair, rendering and profiling of vertical, horizontal and overhead surfaces.

MONOMIX WS is a single component cementitious mortar which incorporates the most advanced cement chemistry, microsilica, fibre and styrene acrylic copolymer technology. This results in a rapid hardening, low density, high strength mortar with enhanced polymer properties. The thixotropic nature of the product enables easy high build spray application for the structural repair of voids and the rendering and re-profiling of both vertical, horizontal and overhead surfaces. The product is supplied as a single component system requiring only the addition of clean water.

**Supplied as:**

25kg pack



# Nationwide Depots



## ■ Flexcrete MONOLEVEL 250F

Fine grade polymer modified mortar for filling blow holes, cracks, surface defects and uneven surfaces in sound existing paint finishes as well as concrete and mosaics prior to application of Flexcrete anti-carbonation coatings.

MONOLEVEL 250F is a single component, polymer modified cementitious mortar for the filling of blow holes, cracks, mapping defects, blemishes and levelling out uneven surfaces in existing paint finishes as well as concrete and mosaic substrates. The incorporation of a polymer promotes adhesion to existing painted surfaces, making it ideal for application to provide a fair faced finish prior to application of subsequent protective coatings and paint finishes. Once cured, the product should be overcoated with specialist membranes in the Flexcrete range to provide further protection and aesthetic quality.

### Supplied as:

25kg pack



## ■ Flexcrete UNIMATCH

For rapid cosmetic repairs to in-situ and precast concrete.

It is especially suitable for repairs which need to be matched to the parent concrete to provide a high aesthetic finish.

UNIMATCH is a single component, cosmetic grade repair mortar, based on the latest polymer cement technology, which is suitable for the repair of damaged, honeycombed or spalled concrete. It is highly waterproof and exhibits good build characteristics. It can be used in vertical, overhead and other difficult areas of repair without the use of primers, special lightweight aggregates or support. Colour and texture match is easily achieved by mixing grades of Grey and White at different ratios using trial mixes. If necessary, coloured aggregates can also be blended in, as well as concrete pigments.

### Supplied as:

25kg pack



## ■ Flexcrete CURING MEMBRANE WB

Curing Membrane WB is a specially formulated, water based Curing compound utilising advanced acrylic copolymers, which is designed for use with the Flexcrete Repair & Protection System. It is non-degrading, enabling it to be used externally as a sealer or readily overcoated with specialist Membranes from the Flexcrete range.

Flexcrete Curing Membrane WB is a non-degrading formulated acrylic resin sealer, which forms an elastic, durable matrix within the surface of cementitious substrates. When used with Flexcrete Repair Mortars and Coatings, it conforms to the requirements for water retention given in ASTM C309. The product is water based and has BBA Certification making it ideal for use in confined areas. When cured, it shows excellent resistance to blushing and weathering and can also be used as a sealer coat for concrete.

- Spray as supplied onto freshly placed repair mortars, fairing coatings, cementitious coatings or concrete
- Convenient alternative to the use of traditional curing aids such as polythene sheeting, damp hessian or sand
- Non-yellowing, stable product not significantly altering the appearance of mortar/concrete
- Retains over 85% of the water in the repair mortar during the first 72 hours
- Safe, water-based product ideal for use in confined areas
- Non-degrading membrane which enhances adhesion when overcoated with Flexcrete specialist Membranes

### Supplied as:

5kg pack

### Coverage:

25 - 35m<sup>2</sup> per 5 litre pack



## ■ Flexcrete STEEL REINFORCEMENT PROTECTOR 841

Corrosion preventative, flexible coating to protect steel reinforcement prior to the application of the relevant FLEXCRETE REPAIR MORTARS.

STEEL REINFORCEMENT PROTECTOR 841 consists of two components, a cementitious powder and a polymer dispersion which react chemically together to passivate, with the aid of corrosion inhibitors, and protect steel reinforcement. STEEL REINFORCEMENT PROTECTOR 841 has excellent adhesion to steel and concrete allowing high bond strengths with FLEXCRETE REPAIR MORTARS. STEEL REINFORCEMENT PROTECTOR 841 forms a highly alkaline coating with a degree of elasticity which not only protects the steel from aggressive acid gases, moisture and chlorides, but passivates the steel surface chemically to prevent further rust formation.

### Supplied as:

5kg pack







## ■ Fosroc® Dekguard S

High performance aliphatic acrylic protective and decorative coating for concrete and masonry conforming to the requirements of BS EN 1504-2.

The Dekguard S system comprises a single component, penetrating primer, Dekguard Primer and a single component pigmented coating, both ready for immediate site use.

Dekguard S coating protects atmospherically exposed reinforced concrete structures and other cementitious substrates and masonry from attack by acid gases, chloride ions, sulphates, oxygen and water.

Dekguard S is suitable for use on all types of structures, especially those in aggressive marine and coastal environments. It is equally suitable for new and existing structures.

Dekguard S is a component of Fosroc's Renderoc system of concrete reinstatement.

- Excellent barrier to carbon dioxide, chloride ions, oxygen and water
- Allows water vapour to escape from the structure
- Highly UV-resistant aliphatic acrylic gives exceptional resistance to the effects of long-term weathering
- Wide range of decorative colours



### Supplied as:

Dekguard S - 10 litre drums
Dekguard Primer- 25 litre drums

### Coverage:

Dekguard S - 6m <sup>2</sup> per litre per coat
Dekguard Primer - 2.5m <sup>2</sup> per litre

## ■ Fosroc® Dekguard W

Water-based acrylic copolymer protective and decorative coating for concrete and masonry.

The Dekguard W system comprises a single component, penetrating silane-siloxane primer and a single component pigmented coating, both ready for immediate site use.

A range of reactive primers are available to suit substrate porosity and site conditions and inhibit the passage of water and waterborne contaminants.

Used to protect atmospherically exposed reinforced concrete structures, cementitious substrates and masonry from aggressive elements, weathering and rain. Dekguard W is suitable for use on all types of structures, including those in coastal environments. It is equally suitable for new and existing structures.

- Excellent barrier to carbon dioxide, chloride ions, oxygen and water
- Allows water vapour to escape from the structure
- High resistance to the effects of long-term weathering and durable in all climatic conditions
- Water-based
- Wide range of decorative colours



### Supplied as:

Dekguard W - 10 litre drums
Dekguard Primer- 25 litre drums

### Coverage:

Dekguard W - 2.75m <sup>2</sup> per litre per (total)
Dekguard Primer - 2.5m <sup>2</sup> per litre

## ■ Fosroc® Galvafruid

Galvafruid zinc rich coating is formulated as an easily applied, by brush or roller, cold galvanising protection against corrosion on all ferrous metals. Galvafruid has a mid-grey, matt finish.

It can be used as a self-finish or as a durable rust inhibiting primer be-neath selected top coats. It is recommended for the protection of structural steelwork, agricultural and construction plant and machinery, gates, railings, iron pipework and guttering, and the rust prevention of in-situ welding work.



### Supplied as:

6 x 400ml tins
4 x 800ml tins
1.9 litre tin

### Coverage:

16m <sup>2</sup> /litre when used as a primer
8m <sup>2</sup> /litre when used as a self-finish

# Nationwide Depots

## ■ Fosroc® Dekguard P

Dekguard CP is a single component weather resistant impregnation and glaze, based on acrylic copolymer and siloxane. Dekguard CP combines an unique ability to protect against attacks by water, carbon dioxide (CO<sub>2</sub>) and other chemicals, with an ability to allow water vapour to escape from the structure.

Dekguard CP is a coating which is equally suitable for new and existing structures. To protect reinforced concrete from chloride ions, oxygen, carbon dioxide (CO<sub>2</sub>) and other aggressive chemicals. Dekguard CP is a component of Fosroc's Renderoc system of concrete reinstatement.

Dekguard CP has a wide range of uses, e.g. multi-storey car parks, office buildings, industrial buildings, tunnels and bridges.

- Water based
- Single component, ready for use
- Allows water vapour to escape from the structure
- Excellent barrier against carbon dioxide (CO<sub>2</sub>) - reduces carbonation
- Resistant to the effects of, and provides long-term protection against chloride ion ingress, sulphates and water
- Weatherproof and durable in all climatic conditions

### Supplied as:

10 litre drums

### Coverage:

Yield 0.10 - 0.15 litre/m<sup>2</sup>  
per coat. 6 - 10m<sup>2</sup>/litre

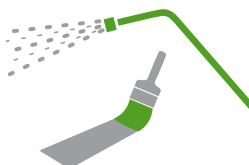


## ■ Flexcrete Monodex Ultra

Monodex Ultra is a technically advanced, minimal VOC, water-based decorative coating which protects against carbonation and water ingress without entrapping moisture. It is fast drying for year round use externally with excellent fire performance characteristics for internal use.

A one component, decorative coating which offers an economic solution for the protection of buildings and other structures with a service life up to 10 years. To inhibit the growth of mould and lichen, it contains an active biocide which is retained in-film. Elastomeric properties permit substrate movement and bridging of hairline cracks. Adhesion is excellent to mineral substrates and other commonly encountered building materials.

- Copolymer formulation with excellent adhesion and resistance to weathering
- Arrests carbonation in reinforced concrete structures through high diffusion resistance to carbon dioxide
- Available in a range of colours
- Vapour permeable nature allows damp substrates to breathe and dry out without blistering of the coating
- Durable barrier to rainwater ingress with inherent flexibility to resist substrate hairline cracking
- Inhibits the growth of mould, mildew and lichens
- Environmentally friendly



### Coverage:

Curing/Drying Time (approx): 1 hour (ideal conditions)

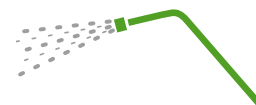
## ■ Fosroc® Dekguard Elastic

The Dekguard Elastic system comprises a single component penetrating primer and a single component elastomeric pigmented coating, both ready for immediate site use.

Dekguard Elastic is an elastomeric, water based protective coating based on a special acrylic polymer. It provides excellent elongation and recovery, low dirt pick-up, resistance to aggressive elements, UV light and rain. It is available in a wide range of colours.

To protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, oxygen and water, especially where there is a danger of subsequent cracks appearing within the substrate. The product is also suitable to protect other cementitious substrates and masonry. Dekguard Elastic is suitable for use on all types of structures, including those in coastal environments. It is equally suitable for new and existing structures. Dekguard Elastic is a component of Fosroc's Renderoc system of concrete reinstatement and is suitable for repair principles 1.3, 2.2, 8.2 as defined in BS EN1504-2.

- Can accommodate substrate cracking up to 6mm and cyclic movement up to 1mm
- True elastomeric coating with excellent elongation and recovery properties which are maintained at sub-zero temperatures
- Excellent barrier to carbon dioxide, chloride ions, oxygen and water
- UV-resistant with high resistance to the effects of long-term weathering
- Water-based
- Wide range of decorative colours



### Supplied as:

Nitoprime DG -  
25 litre drums

Dekguard Elastic -  
10 litre drums

### Coverage:

Nitoprime DG -  
2.5m<sup>2</sup> per litre

Dekguard Elastic -  
2.5m<sup>2</sup> per litre



## ■ Flexcrete Bond Prime

Bond-Prime is a single component, water based, epoxy modified polymeric primer for sealing and stabilising substrates prior to the application of the specialist decorative and protective membranes in the Flexcrete range.

Bond-Prime is the latest technology, rapid curing, water based product consisting of an acrylic copolymer modified with a unique water-emulsified epoxy cross-linking agent. Bond-Prime is inherently hydrophobic and alkali resistant, making it ideal for application to a wide range of new and aged mineral substrates.

Non-hazardous, and application is by brush, roller or airless spray to prime and stabilise surfaces prior to the application of Flexcrete's specialist membranes. It cures to form a clear film with an identifying green tint, both on and within the substrate, to provide an ideal surface for subsequent treatment.

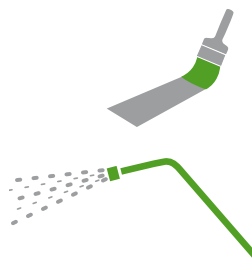
- Dries quickly without the release of hazardous solvents and can be overcoated from 1 hour
- Low VOC, single-component, water-based formulation
- Contains a pre-reacted epoxy cross-linking agent dispersed in water to minimise health hazards
- Easy and safe to apply

### Supplied as:

5 and 25 litre

### Coverage:

Varies depending on substrate. Non-absorbent Substrates 10m<sup>2</sup>/litre (max). Rough, porous or irregular substrates will reduce coverage.



## ■ Flexcrete Monodex Smooth

Monodex Smooth is a high performance water based, elastomeric, high build, decorative coating which provides protection against carbonation and water ingress, yet allows damp substrates to breathe. It is ultra-fast drying which enables two coat applications to take place on the same day and facilitates year round usage. Monodex Smooth resists the growth of mould and fungi and is ideal both for new construction and refurbishment projects.

A single component waterproof coating based on an advanced micropolymer resin binder which cross-links to give outstanding durability over a service life up to 15 years. The elastomeric nature facilitates substrate movement and bridging of hairline cracks. It can be reinforced to accommodate higher levels of substrate movement. It protects reinforced concrete structures from carbonation and allows substrate moisture to escape without blistering or weakening of adhesion. It is available in a range of attractive colours, and an active biocide inhibits mould and lichen growth.

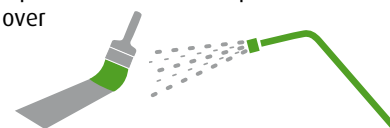
- High diffusion resistance to carbon dioxide
- Active encapsulated in-film biocide inhibits the growth of mould, mildew and lichens
- Fast drying
- Low hazard, water based product with no flash point
- Easily reinforced locally over cracks and joints, or overall to effectively seal crazed surfaces

### Supplied as:

15 litre containers

### Coverage:

Curing/Drying Time (approx):  
1 hour (ideal conditions)



## ■ Flexcrete Monosil

Monosil is a surface impregnant which can be applied to concrete, brick, stone, etc. to impart water and oil repellency. This helps protect the substrate from water and oil ingress and enhances freeze thaw resistance whilst enabling easier removal of oil, grease, paint, graffiti, etc. It is particularly suited to the treatment of car park decks and other trafficked areas where oil repellency is required.

A mixture of silane, siloxane and synthetic resins, which in its concentrated form, as supplied, imparts maximum water and oil repellency to mineral substrates such as concrete, brick, stone, etc. It penetrates the surface pores to minimise its effect on the appearance of the substrate and has minimal effect on the water vapour diffusion characteristics. As supplied, the product is ideally suited to the treatment of car-park decks and other trafficked areas, although it may be diluted on-site to provide a more cost-effective solution for the treatment of walls.

- Low hazard, water-based product with no flash point
- Breathable – the pores of the substrate remain open
- Applied by brush, roller or airless spray in two coats

### Supplied as:

5 litre containers

### Coverage:

6-8m<sup>2</sup> a litre per coat



# Nationwide Depots

## ■ Fosroc® Conbextra EP

Conbextra EP are epoxy resin based products designed for free-flow grouting of gap thicknesses from 0.25mm to 120mm.

Conbextra EP10 for grouting gap thicknesses from 0.25mm to 10mm. Comprising of a two component, low viscosity unfilled epoxy resin system which is mixed and poured into the gap.

Conbextra EPR for grouting gap thicknesses from 10mm to 120mm. A three-component system consisting of base resin, liquid hardener and specially graded inert fillers which are mixed and poured into the gap.

Typical applications include: Reciprocating machinery, testing equipment, heavy crane and transporter rails, high speed turbines, centrifuges, drop forges, electroplating and chemical plants and anchoring of steel bars.

- Low creep characteristics under sustained loading
- Resistant to repetitive dynamic loads
- Non-shrink, ensuring complete surface contact and bond
- High compressive, tensile and flexural strengths
- Fast, convenient installation with rapid strength gain
- Withstands a wide range of chemicals

### Supplied as:

EP10 - 3 litre packs containing liquid base and hardener. 2 x 1.5 litre units.

EPR - 8 and 16 litre packs, containing base, hardener and filler.



## ■ Fosroc® Conbextra BB92

Conbextra BB92 is a ultra-high performance grout specifically designed for structural grouted connections for wind turbine foundations and oil and gas installations.

- Non-shrink
- High flexural strength and modulus of elasticity without the addition of fibres enhancing the flow characteristics of the grout
- Quick return to service and removal of temporary supports due to high early strength build-up, even at low temperatures
- High fatigue resistance
- Suitable for pumping or pouring over a large range of applications
- No segregation or bleeding to ensure consistent final physical performance and to prevent pump blockages.

### Supplied as:

25kg bags or 1T bulk bags



## ■ Fosroc® Conbextra PM

Conbextra PM is for structural grouting of gaps in precast units and high strength pointing. A single pack cement based pumping mortar, blended from cements, fine aggregates and admixtures with a maximum grain size less than 1mm. It requires only the addition of clean water to produce an easily pumped mortar.

- High strength
- Fast installation rate
- Pump application
- Pre-blended to overcome site-batching variations
- Easy to use no priming required
- Rapid strength gain
- Shrinkage compensated

### Supplied as:

20kg bags





## ■ Fosroc® Conbextra TS

Conbextra TS is used for free flow, non-shrink, cementitious grouting for gap thicknesses 75 to 500mm. Supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free-flowing grout. In addition the low water requirement ensures high early strength and long-term durability.

Conbextra TS is a blend of Portland cements, graded fillers, selected aggregates and chemical additives. The filler grading produces a highly flowable grout which will not segregate or bleed and reduces the exothermic heat generation and risk of thermal cracking common with gap thicknesses in excess of 100mm.

Recommended applications include: Stanchion baseplates where a large gap is present, joints between pre-cast concrete panels and filling box sections.

- Non-shrink
- High strength
- Chloride free
- Can be pumped or poured
- Suitable for thick sections

### Supplied as:

25kg bags



## ■ Fosroc® Conbextra GP

Conbextra GP is used for free flow, non-shrink, cementitious grouting of gap thicknesses 10 to 75mm. Supplied as a ready to use dry powder. Adding a controlled amount of clean water produces a free-flowing grout. The low water requirement ensures high early strength and long-term durability.

Conbextra GP is a blend of Portland cements, graded fillers and chemical additives. The filler grading produces a highly flowable grout which will not segregate or bleed.

Recommended applications include: Stanchion baseplates, joints between pre-cast concrete panels, grouting applications where pouring access is restricted, anchoring of reinforcing steel bars, installation of tie bars, trowelling consistency can be used for bedding and in lieu of dry packs.

- Non-shrink
- High strength
- Chloride free
- Can be used at flowable or trowelable consistency
- Conbextra GP complies with LU Standard 1-085 'Fire Safety Performance of Materials'.

### Supplied as:

25kg bags



## ■ Fosroc® Conbextra BB

Conbextra BB is formulated specifically for grouting of bridge bearings and parapet post baseplates. The dry powder is a blend of ready to use Portland cements, graded silica sands and additives to which a controlled amount of clean water is added to produce a highly flowable non shrink grout that can be poured or pumped. It can be used in section thicknesses 10 to 100mm.

- Complies fully with the Department of Transport Specification for Highway Works March 1998 Clause 2601
- Non shrink
- High strength
- Excellent flow, particularly at low temperature
- Low permeability ensures durability

### Supplied as:

25kg bags



## ■ Fosroc® Conbextra UW

Conbextra UW is a free flow or pumped non-shrink, cementitious grout for use underwater or in tidal zones where "wash out" would be a problem with conventional grouts.

Supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free-flowing grout. The grout exhibits exceptional resistance to "washing-out" of the cement phase when placed in stationary or moving water.

Conbextra UW is a blend of Portland cements, graded fillers and chemical additives. The aggregate grading minimises segregation and bleeding whilst assisting flow characteristics.

Recommended applications include: Stanchion baseplates, bridge columns, quay pillars, concrete piling and slipways.

- No risk of significant "wash-out" of cement phase when placed under water
- Displaces water effectively
- Gaseous expansion system compensates for shrinkage and settlement in the plastic state
- High early and ultimate strength
- Exceptional resistance to freeze thaw - ensures durability
- Chloride free
- Prepackaged needing only on-site addition of water

### Supplied as:

25kg bags



# Nationwide Depots



## ■ Fosroc® Conbextra HF

High-flow, non-shrink, cementitious grout conforming to the requirements of BS EN 1504-3 Class R4 and BS EN 1504-6: Anchoring of reinforcing steel bar.

Conbextra HF is used for free flow, non-shrink, cementitious grouting of gap thicknesses 10 to 100mm. Supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free-flowing grout. In addition the low water requirement ensures high early strength and long-term durability.

Conbextra HF is a blend of Portland cements, graded fillers and chemical additives. The filler grading produces a highly flowable grout which will not segregate or bleed.

Recommended applications include: Large stanchion baseplates, joints between pre-cast concrete panels, pumped grouting applications, grouting applications where pouring access is restricted, anchoring of reinforcing steel bars and installation of tie bars.

- Non-shrink
- Highly flowable
- High early age strength
- Chloride free
- Suitable for pumping
- Conbextra HF complies with LU Standard 1-085 'Fire Safety Performance of Materials'.

### Supplied as:

25kg bags



## ■ KCP Construction Grout

D.o.T. Highways Spec:- 2601 Compliant. KCP Construction Grout is a non shrink, high strength cementitious grout comprising of low alkali high specific surface area Portland cements and other cementitious binders combined with high purity aggregates and a system of compatible admixtures to achieve high in service performance.

This grout has high flow characteristics to achieve penetration and levelling with no bleed and zero shrinkage when placed at 0.22 water solid ratio.

KCP Construction Grout has been specifically designed for anchor or base plate grouting, under machinery and stanchion plates, grouting rails and bridge bearings, fixing bolts, parapet rails etc. It can also be used in its plastic state as a bedding mortar.

- Equivalent Sodium Oxide is less than 3.0kg/m<sup>3</sup>
- High ultimate strength
- Shrinkage compensated
- Can be used for grouting sections up to 100mm thick
- Chloride free
- High fluidity – can be pumped or poured

### Supplied as:

25kg bags

Also available in  
Intermediate Bulk  
Containers or in Bulk  
Powder Tankers



## ■ Fosroc® Cebex 100

Cebex 100 is supplied as a powder admixture. The material is a combination of a plasticising agent and a gas producing expansion medium.

The plasticising agent allows the use of a reduced water/cement ratio with consequent increased strengths and durability. The expansive medium counteracts the natural settlement and plastic shrinkage of the grout and aids stability and cohesion. Gives high grout fluidity with low water/cement ratio, thus making placement or injection of the grout easy.

Used as admixture for site batched cementitious grouts where a reduced water/cement ratio and positive ex-pansion is required. Applications include bed grouting, duct grouting, non-shrink infilling and jointing.

- Gaseous expansion system compensates for plastic shrinkage and settlement in properly designed cementitious grout.
- Reduced water/cement ratio in the grout mix ensures low permeability and long term durability in service.
- Gives high grout fluidity with low water/cement ratio, thus making placement or injection of the grout easy.
- No metallic iron content to corrode and cause staining or deterioration due to rust expansion in the grout.
- Composition allows high early strength development in grouts, without the use of chlorides.

### Supplied as:

24 x 227g packs per unit



## ■ Kesflex Polyurethane Expansion Joint

Kesflex Polyurethane Expansion Joint is a two part pourable grade polyurethane. Kesflex Polyurethane Expansion Joint is easy to mix, giving good self levelling properties and can be poured directly into horizontal joints.

Used for sealing internal joints subject to heavy industrial use in factory and warehouse floors.

- Good chemical resistance to minerals, acids, alkalis and petroleum based fuels
- Provides a tough resilient cure
- Excellent adhesion, without a primer, to clean dry concrete
- Suitable for use in wide joints
- Choice of colours
- Good abrasion resistance
- Good flexibility giving high movement capability

### Supplied as:

5kg units



## ■ Adshead Radcliffe Arbokol Secure

Arbokol Secure is a unique two part Epoxy sealant which cures to form a hard wearing seal, designed to accommodate small amounts of movement in extension but considerable movement in compression.

Recommended for use in a variety of internal stress relief joint systems where a tough, non pick seal is required.

For use in prisons, custody suites, mental hospitals and other secure environments. Perimeter sealing of cell doors and windows, sealing of fixings and sanitary ware, anti pick/anti vandalism joints, heavy duty floor joints, tile to tile joints (no primer required), shower rooms.

- For joint widths between 6 - 20mm
- Colours off white and grey

### Supplied as:

1.2 Litre Set, tins for base and curing agent follower plate

## ■ Geocel HM Silicone

Geocel HM Silicone sealant is a one-part sealant, which has been specifically developed for use by the sealant contractor.

It has good adhesion to a range of non-porous substrates including glass, aluminium and painted wood. Geocel HM Silicone Sealant is suitable for use in sanitary applications..

- Specially developed for use by sealant contractors
- For joint widths between 6 - 12mm
- High modulus, high elasticity. Fungus and mildew resistant
- Conforms to ISO11600
- Resistant to ozone, ultra-violet radiation and temperature extremes

### Supplied as:

310ml cartridges



## ■ Adshead Radcliffe Arbothane 1245

Arbothane 1245 is a one part polyurethane sealant which cures on exposure to moisture vapour to form a tough but flexible rubber. It has good adhesion to concrete, brickwork, metals and many other common construction substrates.

For use in floor joints, expansion joints and structural cladding.

- For joint widths between 6 - 25mm
- Colour grey

### Supplied as:

20 x 600ml foils per box  
for use with foil pack gun



## ■ DOW CORNING® 895

DOW CORNING 895 is a one-part, neutral curing silicone sealant designed specifically for the structural bonding of glass, metal, and other building components.

- Meets European standards for structural glazing application, as developed by EOTA
- Excellent adhesion to a wide range of substrates
- Odourless and non-corrosive cure system
- Resistant to ozone and temperature extremes

### Supplied as:

310ml cartridges



## ■ Adshead Radcliffe Arbokol 1025 SP

Arbokol 1025 SP is a unique two part Epoxy sealant which cures to form a hard wearing seal, designed to accommodate small amounts of movement in extension but considerable movement in compression.

Recommended for use in a variety of internal stress relief joint systems where continual water resistance and a high degree of chemical resistance (especially to common cleaning substances) are required.

For use in Swimming pools, compression joints, tile to tile joints (no primer required), long term water immersed joints, shower rooms.

- For joint widths 6 - 20mm
- Colours off white and grey

### Supplied as:

1.2 Litre Set, tins for base and curing agent follower plate

## ■ Geocel LM Silicone

Geocel LM Silicone Sealant is a one-part sealant, which has been specifically developed for use by the sealant contractor. It has good adhesion to a range of non-porous substrates including glass, aluminium and painted wood.

- For joint widths between 6 - 12mm
- Low modulus, high elasticity
- Available in a range of colours

### Supplied as:

380ml cartridges



# Nationwide Depots

## ■ Geocel 201

Geocel 201 is a one part, ready to use, flexible sealant for expansion joints in building and construction. It has excellent adhesive and weathering properties and cures to a tough, flexible sealant. It is ideal for sealing against pre-cast facing and cladding panels, wall tiles, granite, metal or timber window frames, masonry and certain glazing systems.

- Excellent adhesion to both porous and non-porous surfaces
- Large colour range available
- Joint movement capability of  $\pm 20\%$
- Easy to apply, one component sealant
- No maintenance required
- Unaffected by extremes in climatic conditions
- Non-slump
- Over paintable
- Colours white, grey, teal, black, buff and brick red

### Supplied as:

380ml cartridges



## ■ Geocel 945

Geocel 945 is a one part high modulus MS Polymer based sealant and adhesive for building and civil engineering structures.

Geocel 945 has a movement accommodation factor (MAF) of 50%. The sealant can be applied into joints 6mm to 40mm wide and a depth of 6mm to 25mm. Generally the joint slot should be designed to ensure that the sealant width to depth ratio is between 11/2 : 1 and 2:1.

Where joints are subjected to traffic a width to depth ratio of 1:1 should be adopted. For joints with high casting and setting out tolerances, the joint depth should be a minimum of 10mm with accurately formed joints in metal, a minimum 6mm.

- Fast cure
- Abrasion resistant
- Resistant to aerobic and anaerobic bacteriological attack
- Excellent application characteristics
- High strength adhesive bond
- Permanently flexible

For use in sealing movement joints in:

- Building sub structures
- Culvert and bridge assemblies
- Concrete road soak away channels
- Concrete floor slabs (Saw cuts)
- Internal stone flooring
- Expansion joints in water retaining structures

It can also be used for industrial applications including:

- Floor plates
- Skylights
- Anti-vibration locking of nuts and bolts
- Air conditioners
- Gaskets and profiles
- Lap seams
- Vehicle cabs

Colours available:

- Grey, white, black, concrete grey and buff

### Supplied as:

290ml cartridges

600ml sausages

## ■ Geocel 925 NS

Geocel 925 NS is a one part low modulus MS Polymer based joint sealant designed for use on prestige buildings and those highly exposed to extreme weather conditions, aggressive atmospheres and UV light. This sealant has been specifically formulated as a non staining sealant and for application to difficult substrates associated with modern facade construction.

Non-hazardous, containing no free isocyanates, volatile organic solvents, acids or halogens. Environmentally friendly, with excellent resistance to UV light and atmospheric degradation.

- Non staining including Hydrophobic staining
- Good primerless adhesion on many common construction substrates
- Damp surface tolerant
- Low dirt pick up
- Excellent adhesion to a wide variety of substrates
- High movement accommodation
- High UV and aggressive atmosphere resistance
- Comprehensive colour range
- Environmentally friendly
- Excellent low temperature gunnability
- Improved gun and tooling characteristics

For sealing joints to building facades where:

- High movement is anticipated
- Non staining is a requirement
- Prestige finish is important
- Extreme weather conditions are expected

Colours available:

- Black, grey, white, buff, stone, travatine. Special colours available on request

### Supplied as:

380ml cartridges

600ml sausages

## ■ Fosroc® Colpor 200PF

For the sealing and maintenance of joints in concrete roads, concrete runways and hard standings. Colpor 200PF is particularly suitable for sealing areas where fuel and oil spillage might occur such as aircraft hard standing areas, oil terminals, garage forecourts, parking and cargo bays.

Colpor 200PF is a two component cold applied pouring grade sealant for pavement joints. It is flow applied into the joint either directly from the can or using a Fosroc G Gun.

Colpor 200PF retains its movement accommodation of 25% on butt joints throughout the extremes of temperature, it does not harden in cold weather nor become excessively soft, or pick up in hot conditions.

- High durability and long service life
- High movement accommodation
- Cold applied - no heating equipment required
- Fuel, oil and hydraulic fluid resistance
- Jet blast resistant

### Supplied as:

2 x 5 litre units, comprising a tin of base and of curing agent

## ■ Fosroc® Thioflex 600

Thioflex 600 is a multi-component, gun and pouring grade, polysulfide sealant for sealing movement joints in building and civil engineering structures, including superstructures, floors, basements and subways.

The gun grade is ideal for general application. Supplied in the correct proportions. The pouring grade for joints in horizontal surfaces is supplied in 5 litre packs.

- Can be applied to joints between 5 and 50mm wide
- Meets key international standards
- Forms a tough, elastic, rubber-like seal
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates
- High resistance to ageing reduces physical damage due to climatic extremes

## ■ Fosroc® Hydrocell XL

Hydrocell XL is a cross linked, non-absorbent, semi-rigid, cellular polyethylene joint filler used for forming expansion joints in concrete, brickwork and blockwork. The product provides excellent support to sealants subject to hydrostatic pressure and is particularly recommended for water retaining or water excluding structures.

- Cross linked to resist lateral and hydrostatic pressure
- High density support of sealant to prevent adhesion failure
- Non-absorbent
- High compression recovery
- Non-extruding
- Low load transfer to joint edges
- Chemically resistant

### Supplied as:

10mm x 1000mm x 2000mm sheets
15mm x 1000mm x 2000mm sheets
20mm x 1000mm x 2000mm sheets
25mm x 1000mm x 2000mm sheets

## ■ Fosroc® Nitoseal MS60

Nitoseal MS60 one part, general purpose building sealant suitable for sealing joints in concrete, brickwork, blockwork, perimeter sealing around doors and windows, and non-trafficked floor joints. Nitoseal MS60 is a one part, low modulus sealant based on hybrid silyl modified polyether ("MS") technology.

- Applied to joints between 5 and 35mm wide
- Adhesion to most common building materials
- Single component with fast rate of cure
- Can be applied to damp substrates
- Primerless
- UV resistant and colour stable
- Performs as an acoustic sealant
- Available in a range of colours
- Environmentally friendly

### Supplied as:

10 x 600ml sachets for Fosroc G gun and in 380ml cartridges
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## ■ Fosroc® Nitoseal MS600

Nitoseal MS600 is a one part, civil engineering sealant for immersed conditions (Fosroc Primer MS2 is required before using the sealant). Suitable for sealing movement joints in buildings and civil engineering structures including joints.

Nitoseal MS600 is a modulus sealant based on hybrid silyl modified polyether technology. It has a fast rate of cure and forms a tough, highly durable and water resistant elastomer. Conforms to the Water Supply (water quality) Regulations 2000 and 2001 Regulations 31(4b) for products having a small surface area in contact with water for public supply.

- Meets key international standards
- Resistant to aerobic and anaerobic bacteriological attack
- Resistance to dilute acids and alkalis
- Accommodates continuous and pronounced cyclic movement
- High resistance to ageing, reduces physical damage due to climatic extremes
- Easy to apply at low temperature
- Can be applied to damp substrates
- Isocyanate free technology

### Supplied as:

Nitoseal MS600 - 10 x 600ml sachets.
Fosroc Primer MS2 - 0.75 litre packs

## ■ Fosroc® Expandafoam

Closed-cell polyethylene joint filler, back-up strips and cord.

Expandafoam is a flexible, readily compressible, closed-cell polyethylene joint filler supplied in sheet form and as rectangular strips or circular section cords.

Expandafoam is a closed-cell polyethylene joint filler for use as an expansion joint filler in brick and blockwork, isolation joints and hinge joints where a readily compressible low load transfer joint filler is required.

Strip and cord sections are also available. These are used as back-up strips for elastomeric sealants. For back-up / bond breaker strip to support sealants, bridge decks, abutments, pier hinge joints, brick and blockwork in building superstructures.

- Readily compressible
- Low load transfer
- Excellent recovery after compression
- Non-absorbent
- Rot-proof
- CFC-free

Sheet Size	Sheet Thickness	Strip Size	Strip Dimensions
1.0 x 2m	10mm	15m	10 x 100mm
	12mm		10 x 150mm
	15mm		12 x 100mm
	20mm		20 x 150mm
	25mm		20 x 200mm

All 10 and 12mm strips have a 10mm deep tear-out section and all 20 strips have a 20mm tear-out section to ensure uniform depth of sealant cover.

# Nationwide Depots



## ■ Fosroc® Flamex Fire Protection

Under fire conditions Flamex One and Flamex Two intumesce, forming a foam-like structure which insulates and provides a barrier to hot gas and flame.

Flamex One emulsion based sealant sets quickly and gives excellent adhesion to most building materials. It has a 10% movement accommodation factor for low movement joint sealing and gap filling applications such as fire door frames. Flamex One is also suitable for sealing around fire protection boards. It can be used in joints from 5 to 20 mm. The minimum depth of seal should be 15 mm. Acts as an acoustic sealant.

Flamex Two high performance sealant forms a tough, flexible rubber-like seal with a movement accommodation factor of 25% for high movement situations. Flamex Two is suitable for expansion joints in building superstructures and may be used in both internal and external joints. Flamex Two can be used in joints from 5mm upto 50 mm wide. The width of sealant should ideally be twice the depth, with a minimum depth of 12mm. In trafficked joints, sealant depth should be a minimum of 20 mm. The use of a surface primer is always required.

- Extensively fire tested in accordance with BS 476 Pt:20: 1987.
- Fire tested in overhead joints as well as in wall joints
- Over 4 and 5 hours insulation and longer integrity rating, depending on joint design
- Suitable for fire stopping of joints as defined by Approved Document B of the Building Regulations
- Prevents the passage of smoke through joints under fire conditions
- Effective as normal building sealants and allows structural movement
- Flamex Two is resistant to a range of chemicals

### Supplied as:

Flamex One - 380ml cartridges packed in cartons of 20  
Flamex Two - 2.5 litre tins in cartons of 4

## ■ Fosroc® Nitoseal MS300

A one part, high modulus, damp tolerant, floor sealant based on hybrid silyl modified polyether technology. A rapid rate of cure forms a tough elastomer capable of supporting heavy wheel loads.

Applied between 6mm and 20mm wide, for trafficked joints (up to 40mm non-trafficked). It is recommended to form a sealing slot with a square cross-section, subject to a minimum 10mm depth.

To ensure the sealant operates within its stated movement accommodation capacity the sealing slot widths should be designed in accordance with the recommendations of BS6093.

- Suitable for saw cut and perimeter joints
- Abrasion resistant
- Withstands vehicular traffic
- Easy to apply at low temps
- Can be applied to damp substrates
- Primer-less, gun applied
- Hard, but flexible sealant; resists picking and vandalism

### Supplied as:

600 ml sachets. 10 no. sachets per box

## ■ Fosroc® Nitoseal PU800

Nitoseal PU800 is a two-component gun grade elastomeric sealant for limited movement joints. After mixing, the resultant compound will cure to provide an exceptionally robust seal, while retaining a degree of flexibility. Nitoseal PU800 is abrasion resistant and withstands spillage of fuel oils, mineral acids and vegetable oils. Nitoseal PU800 can be used in joints between 5mm and 50mm wide.

For sealing internal joints subject to heavy loading and abrasion, or where chemical resistance is required. Can be used in factories, warehouses and distribution centres. It is, particularly effective where there is forklift truck traffic. Nitoseal PU800 can also be used where joints would be subject to stiletto heels, shopping centres, podiums etc. It is suitable for use in prisons as an anti-pick sealant for sealing internal partitions, cell doors and windows, fittings and furniture.

The joint sealant shall be Fosroc Nitoseal PU800, an epoxy urethane, heavy duty sealant. It shall be applied in accordance with the Fosroc data sheet.

- Cures to a tough seal
- Abrasion resistant
- High modulus
- Resistant to chemical, fuel and oil spillage
- Easily installed to give a flush finish
- Hard, but flexible sealant; resists picking and vandalism

### Supplied as:

2 litre tins in cartons of two

## ■ Fosroc® Nitoseal MS100

One part, primer-less, non-staining facade sealant. Nitoseal MS100 is a tough, durable elastomeric joint sealant. It is based upon hybrid silyl modified polyether technology. It is suitable for use over a wide range of external and internal building applications and has excellent weather resistance.

Nitoseal MS100 has excellent primer-less adhesion to a wide range of common building substrates and does not stain concrete, marble and other masonry surfaces.

Formulated for stain-free sealing of joints in and around concrete, brick, masonry, pre-cast panels, stone cladding, windows, doors and fibre cement sheeting.

- Can be applied to damp substrates
- Fast neutral cure
- Highly flexible with excellent application characteristics
- Low odour, environmentally friendly
- Low modulus and high movement capabilities
- Excellent UV and weather resistance
- Performs as an acoustic sealant
- Good adhesion to silicone, polysulphide or polyurethane contaminant

### Supplied as:

380ml cartridges





### ■ Kesfloor DPM 1

High performance structural coatings.

Kesfloor DPM1 is a two part epoxy moisture vapour suppressant and surface damp proof membrane. Tested to European Standard pr EN 104. (16)

Kesfloor DPM1 is specifically designed for use as a one coat moisture vapour suppressant for power floated concrete.

#### Supplied as:

2kg, 5kg & 10kg units

### ■ Kesfloor DPM 2

Surface Damp Proof Membrane.

Kesfloor DPM2 is a two part epoxy moisture vapour suppressant and surface damp proof membrane. Tested to European Standard pr EN 104. (16)

Kesfloor DPM2 is used to form a surface damp proof membrane and moisture vapour suppressant to concrete and sand/ cement floors.

#### Supplied as:

5kg unit

### ■ Kesfloor ECLMP

Kesfloor ECLMP is a solvent based, high gloss, high performance two pack epoxy coating having good abrasion and chemical resistance. Ideal for floors, walls and line markings.

Hard, tough and abrasion resistant, good chemical resistance, impervious finish ensures ease of cleaning and excellent adhesion to cementitious substrates etc.

#### Supplied as:

Two pack epoxy system packed in 5 litre units

### ■ Kesfloor PC120

PC120 is a solvent free 2 pack polyurethane resin system, designed as a high quality flexible coating.

This system can be applied to all areas even where the substrate tends to expand and contract with the weather.

#### Supplied as:

Three part system packed in 5 litre units of resin plus aggregate

### ■ Kesflo or EPP - Epoxy Penetrating Primer

EPP is a two part penetrating epoxy resin priming system used for the priming of substrate for the majority of our coatings and screeds etc.

It is a coating in its own right, 100% active binder, free from solvents and fillers. It is of low viscosity and maximum penetration, soaking into the capillary pores, actually strengthening the substrate. When EPP is applied thickly enough to a surface, chippings will adhere and provide excellent anti-slip surfaces. It can also be used for filling small cracks & voids up to a maximum of 9mm.

The coverage rate will be affected by the film thickness, porosity of the surface and its texture. The coverage rate for EPP is 25 sq.m per 5 kg pack.

#### Supplied as:

Two pack system packed in 5kg & 10kg units

# Nationwide Depots

## ■ Kesfloor HB Epoxy

Kesfloor HB Epoxy is a solvent free, 2 pack epoxy coating having good abrasion and chemical resistance. Kesfloor HB Epoxy provides an easily cleaned floor and wall coating, ideal for use in production areas, breweries, food and chemical processing areas. Anti-slip aggregate is also available, for use where a slip resistant surface is required. Please call our technical department with your requirements.

Hard wearing, very good chemical resistance, impervious finish, ensures ease of cleaning, excellent adhesion to cementitious substrates etc.

### Supplied as:

Two pack epoxy system packed in 5 litre & 15 litre packs

## ■ Kesfloor WB Sealer

Kesfloor WB Sealer is a water dispersible epoxy primer/sealer having excellent adhesion to concrete. Can be applied to newly laid, damp or dry mature concrete.

Anti-slip aggregate is also available, for use where a slip resistant surface is required. Please call our technical department for more information.

Low odour - ideal for food processing areas. Good penetration properties because of its low viscosity.

Easy to apply. Low cost. Improves chemical resistance of concrete. Excellent adhesion to many types of substrate.

### Supplied as:

5 litre unit

## ■ Kestral Anti-Slip Stair Tread Covers

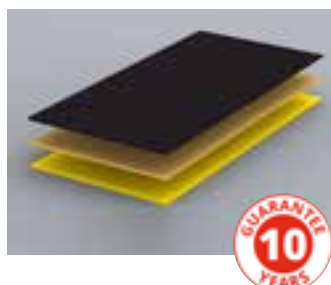
Kestral Anti-slip Stair Treads are high performance safety treads made from high quality GRP (Glass Reinforced Plastic) embedded with long lasting anti-slip grit which are twice as hard wearing as the industry standard quartz.



- Hard-wearing anti-slip step surface
- Highly durable for medium to heavy stair use
- DDA (Disability Discrimination Act) and Building Regulations compliant
- Suitable for metal, wood and concrete stairs
- Available in a variety of sizes and colours
- Custom sizes available

## ■ Kestral Anti-Slip Flat Sheets

The Kestral Anti-slip Flat Sheet range are high performance stair treads, landing covers and flat sheets, made from high quality GRP (Glass Reinforced Plastic), a combination of resins and reinforcing fibres.



- Anti-Slip
- Hard wearing GRP construction
- Installs over virtually any substrate
- High contrast colours
- High performance grit formula
- DDA & Building regulation compliant
- Easy to fit, simply screw and glue to wood, steel, concrete or similar
- Cost effective

## ■ Kestral Anti-Slip Stair Nosings

Kestral Stair Nosing provide a superior grip performance in extreme conditions, with excellent anti slip properties providing increased safety on steps and stairs and the high contrasting colour aids visibility.



- Anti-Slip
- Hard Wearing GRP Construction
- Installs Over Virtually Any Substrate
- High Contrast Colours
- Chamfered Edges
- High Performance Grit Formula
- DDA & Building Regulation Compliant
- Easy To Fit, Simply Screw and Glue to Wood, Steel, Concrete or Similar
- Cost Effective

## ■ DCP Antislip PUW

Water based polyurethane anti-slip/sealer

Antislip PUW is a clear matt, two component water based polyurethane anti/slip sealer that works effectively based on internal smooth concrete, concrete screeds, wood, parquet, vinyl flooring, epoxy and polyurethane resin floor coatings.

Approximately 50-60m<sup>2</sup> per pack/coat

Recommended wet film thickness: 160- 200 microns - 2 coats roller applies

### Supplied as:

4.9kg kit

## ■ DCP Setseal 6

Setseal 6 is a clear, acrylic resin based concrete curing membrane and sealer. Single pack solution designed to impregnate concrete surfaces combining the benefits of a curing aid, sealer, dust proofer and hardener. Setseal 6 has been designed to overcome the drawbacks of many commonly used curing membranes which tend to provide a limited service life following the curing period of new concrete. It has good abrasion resistance and can be coated with certain coatings (please contact our Technical Department for specific applications).

- 5 - 12m<sup>2</sup> per litre per coat depending on the absorbency of the base by fine spray
- Clear liquid
- Curing efficiency 75% at 6m<sup>2</sup> per litre

### Supplied as:

25 and 200 litres



## ■ MAPEI Latexplan Trade

Two-part smoothing/levelling compound, Latexplan Trade is used for levelling and smoothing differences in thickness of 1 to 10mm (in one application) on new and existing substrates to prepare them for any type of flooring installation. Mix 5kg of Latexplan Trade liquid to 25kg of Latexplan powder.

- Can be walked on after 1.5 to 2 hours
- Low odour
- Colour cement grey

### Supplied as:

2 part system 5kg liquid to 25kg powder



## ■ Flexcrete CEMPROTEC E-FLOOR

Epoxy and polymer modified cementitious topping, CEMPROTEC E-FLOOR is a major advancement in flooring technology incorporating the benefits of copolymer and epoxy resin technologies into a self smoothing, water based, cementitious system. This chemical combination gives a hard, durable 2mm thick coating with excellent resistance to abrasion, water, chloride ions and aggressive chemicals for the protection of concrete floors and decks subject to trafficking in the most demanding internal and external environments.

- One coat at 2mm
- Covers 8.1m<sup>2</sup> at 2mm thickness
- Two component mix

### Supplied as:

30kg bag



## ■ DCP Stopdust

Stopdust Sealer is for interior wall and floor surfaces, it is a water-based acrylic-polymer emulsion that is used to seal cementitious wall and floor surfaces.

Stopdust is applied by roller, brush or squeegee in one or more coats and dries to a clear, dust-free and hygienic finish. It has good durability to pedestrian and vehicular traffic.

- Good penetration
- Can be applied to freshly hardened concrete
- Approximately 10m<sup>2</sup> per kg per coat

### Supplied as:

225kg kit form



## ■ MAPEI Ultraplan Renovation Screed

Fibre reinforced self levelling compound, designed for use in the refurbishment of existing floors in both commercial and domestic applications, it can be hand or pump applied.

For interior use on new or existing concrete, screeds, stone, terrazzo and ceramic tiles, old and new timber floors, floor boards, chipboard panels, plywood and parquet.

- Single coat application 3 to 30mm thickness
- Covers 6m<sup>2</sup> at 3mm thickness
- Colour grey
- Walkable after 3 to 5 hours

### Supplied as:

25kg bag



## ■ RonaScreed Mortar and Concrete

A rapid strength gain mortar for laying floor screeds, repairing floor surfaces and rapid set bedding applications for bricks, blocks, kerbs and compatible building components.

Rapid early strength development, ready for vehicle traffic after 6 hours (Concrete) or 24 hours (Mortar). Pre-packed formulations for consistent high performance.

### Supplied as:

25kg bag



## ■ Flexcrete CEMPROTEC E-FLOOR HB

CEMPROTEC E-FLOOR HB is a major advancement in flooring technology incorporating the benefits of copolymer and epoxy resin technologies into a self smoothing, water based, cementitious topping. This chemical combination gives a hard, durable 3 - 6mm thick coating with excellent resistance to abrasion, water, chloride ions and aggressive chemicals for protection of concrete floors and decks subject to trafficking in the most demanding internal and external environments.

- One coat at 3 - 6mm
- Covers 5m<sup>2</sup> at 3mm thickness
- Colour grey
- Two component mix

### Supplied as:

30kg packs



# Nationwide Depots

## ■ Flexcrete CEMPROTEC EF Primer

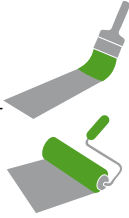
Stabilises and Seals Cementitious and Asphalt Substrates.

To stabilise and seal cementitious and asphalt floors prior to the application of the CEMPROTEC range of cementitious coatings and mortars. It can overcome some inadequacies in surface preparation and helps minimise the risk of out-gassing from the substrate.

- Covers 25m<sup>2</sup> per 5 litre pack 125m<sup>2</sup> per 25 litre pack
- Ready to use
- Can be applied in one coat with brush or roller

**Supplied as:**

5 and 25 litres



## ■ Flexcrete CEMPROTEC Levelling Coat

Self-Levelling Cementitious Mortar for Concrete Floors.

CEMPROTEC LEVELLING COAT is a two component cementitious mortar for levelling tamped for uneven concrete floors in heavily trafficked areas prior to the application of CEMPROTEC E-FLOOR.

- 30kg composite pack covers 3m<sup>2</sup> at 5mm thickness
- Can be applied in thicknesses ranging from 0 to 60mm
- Two component mix
- Can be applied poured or pumped

**Supplied as:**

30kg packs



## ■ Fosroc® Nitoflor Lithurin

Permanent hardening and dustproofing compound for concrete surfaces. Nitoflor Lithurin is a white, soluble, crystalline powder based on metallic fluorosilicates and wetting agents.

When Nitoflor Lithurin is mixed with water and applied to the floor, the solution penetrates the concrete reacting with lime and other soluble particles to form granite hard crystals, leaving a permanent, hard wearing and dust free surface.

Used as a surface hardener for new and old concrete floor to prevent dusting and to increase durability. Suitable for use on concrete and granolithic surfaces. Typical applications include industrial floors, light engineering works, warehouses, animal feed and milk parlours, abattoirs, car parks, dams, reservoirs, tanks, silos and flues..

- Highly durable, improves abrasion resistance and reduces chemical attack from oils and greases
- Easy to apply, no special equipment or skills required
- Eliminates dust formation from within the treated surface
- Economical and low cost method of floor protection

**Supplied as:**

15 kg buckets

**Coverage:**

one coat, one bucket to cover approximately 200m<sup>2</sup>.  
Two coats, one bucket per 150m<sup>2</sup>



## ■ Flexcrete CEMPROTEC SANDSEAL 75

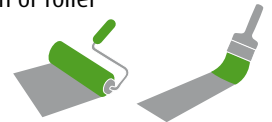
Clear Lacquer for Concrete Floors.

CEMPROTEC SANDSEAL 75 is a hard wearing, single pack, solvent-based, polyurethane clear lacquer for protecting concrete floors and smooth CEMPROTEC E-FLOOR finishes. It can also be used in combination with sanded CEMPROTEC E-FLOOR to help seal in and retain the sand to provide a slip resistant, decorative surface with excellent abrasion and wearing characteristics.

- 12m<sup>2</sup> per litre on smooth surfaces 6 - 7m<sup>2</sup> per litre on sanded finishes
- Ready to use
- Can be applied in one coat with brush or roller

**Supplied as:**

5 litres



## ■ Fosroc® Nitoflor FC130

Nitoflor FC130 is a two-component water dispersed epoxy resin coating system supplied in pre-weighed packs ready for on-site mixing and use. The cured film forms a hard, flexible, semi-matt seal to concrete and other substrates.

Provides a dust-proof easily cleaned surface, resistant to most oils and liquids.

Suitable for use on walls and floors in warehouses, garages, light industrial and food processing areas, kitchens and other areas of pedestrian and light vehicular traffic.

- Hard wearing, durable, low maintenance costs
- Impervious finish provides an easily cleaned hygienic surface
- High resistance to a wide range of industrial chemicals
- Available in a range of attractive colours to improve the working environment

**Supplied as:**

5kg packs  
Nitoflor anti-slip grains in 0.9kg packs

**Coverage:**

35 to 40m<sup>2</sup>/pack (per coat)  
Nitoflor FC140 with anti-slip grains 24 to 30m<sup>2</sup>/pack (per coat)



## ■ Fosroc® Nitoflor FC150

Nitoflor FC150 is a solvent free, epoxy resin coating system for floors supplied in pre-weighted packs ready for onsite mixing and use. The system consists of a Nitoflor FC150 base, hardener and colour pot. A slip resistant finish can be obtained by use of one of our range of Nitoflor Antislip Grains which have been carefully graded to ensure an even texture.

Nitoflor FC150 is used to provide a hard wearing, easily cleaned, attractive floor coating in industrial areas where high resistance to chemical attack and an abrasion resistant floor finish is required. It is suitable for use in production assembly areas, workshops, dairies, soft drinks production and bottling plants, breweries, kitchens, showrooms and internal car parks. It is particularly suitable in wet working areas and where chemical spillage is likely, e.g. plating shops, processing plants and dye works.

- Durable, low maintenance costs
- High resistance to a wide range of industrial chemicals
- Impervious finish provides easily cleaned surface
- No odour during application
- Available in a range of colours to improve the working environment
- Slip resistant - different textures available to suit conditions



### Supplied as:

Nitoflor FC150 -  
4.5 litre packs  
Nitoprime 25 -  
5kg packs  
Nitoflor anti-slip grains -  
25kg

### Coverage:

Nitoflor FC150 -  
18m<sup>2</sup>/pack (per coat)  
Nitoprime 25 -  
26m<sup>2</sup>/pack

## ■ Fosroc® Patchroc GP

Patchroc GP is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent repair mortar.

Based on Portland cements, graded aggregates, and chemical additives providing a mortar with good handling characteristics while minimising water demand. The low water requirement ensures good strength gain and long-term durability.

Patchroc GP is designed for horizontal use. It may be applied up to a maximum thickness of 100 mm. Thicker sections can be built up in layers. Material should not be applied at less than 12mm thickness. Individual bay sizes should not exceed 4m<sup>2</sup>. Consult the local Fosroc office for further information.

- Rapid strength gain - will generally accept traffic in 2 hours
- High strength, abrasion and weather resistance
- One component, pre-bagged to overcome site-batched variations
- Excellent bond to the concrete substrate
- Shrinkage compensated
- Contains no chloride admixtures



### Supplied as:

25kg bags

### Coverage:

Approximately 12 litres/25kg bag  
(approximately 1.0m<sup>2</sup> at 12mm thickness)

## ■ Fosroc® Nitoflor Hardtop S

'Dry shake' floor hardener for new concrete floors. Nitoflor Hardtop S surface hardening compound is a quality controlled, factory blended powder which is ready to use on site. It consists of special hard wearing aggregates selected for their physical properties of abrasion and wear resistance, Portland cement and special additives to improve workability.

This combination produces a material which is easy to trowel into the surface of fresh, wet concrete. Nitoflor Hardtop S cures to provide a dense, non porous surface which is extremely hard wearing and abrasion resistant. Monolithic cure ensures that problems normally associated with thin ('granolithic') screeds, e.g. curling, shrinkage, cracking, etc. are completely overcome.

Nitoflor Hardtop S is available in natural (concrete grey) colour as standard.

It is ideally suited for all industrial areas subjected to heavy traffic, e.g. power stations, heavy industry, agricultural buildings, warehouse floors, loading bays and workshops.

- Supplied ready to use
- Provides a hard, abrasion resistant surface
- Forms monolithic bond with fresh concrete base
- Will not rust when wet
- Non dusting
- Anti-slip

### Supplied as:

25kg bags

### Coverage:

5 kg/m<sup>2</sup> / 3kg/m<sup>2</sup>

## ■ Fosroc® Paveroc

Paveroc is supplied as a ready to use blend of dry powders which requires only the site addition of clean water to produce a highly consistent repair mortar.

Paveroc is designed for horizontal use. It may be applied up to a maximum thickness of 100mm. Thicker sections can be built up in layers. Material should not be applied at less than 12mm thickness. Individual bay sizes should not exceed 18m<sup>2</sup>. Consult the local Fosroc office for further information.

For the reinstatement of large areas of concrete pavements and floors to avoid the total replacement of bays.

The product is alkaline in nature and will protect embedded steel reinforcement. It may be used internally and externally. Patchroc GP is recommended for emergency patching of small areas of concrete pavements and floors.

- Rapid strength gain - will generally accept traffic in 12 hours
- High strength, abrasion and weather resistance
- One component, pre-bagged to overcome site-batched variations
- Excellent bond to the concrete substrate
- Shrinkage compensated
- Contains no chloride admixtures

### Supplied as:

25kg bags

### Coverage:

Approximately 11.5 litres/25kg bag  
(approximately 0.9m<sup>2</sup> at 12mm thickness)

# Nationwide Depots



## ■ Tremco CS150 Acrylic Primer

CS150 Acrylic Primer is a universal primer for porous substrates. CS150 Acrylic Primer is specifically designed for use as a primer for polymer screed applications or beneath smoothing compounds on porous substrates.

- Low hazard
- Easy to apply
- Helps to prevent pin-holing
- Helps maintain the flow characteristics of the screed
- Colour white
- Apply by brush or roller



### Supplied as:

25 litres and 5 litres

### Coverage:

8m<sup>2</sup> per litre depending on substrate



## ■ Tremco CS900 High Build Epoxy Coating

CS900 is a high build, thickly applied solvent free coating possessing excellent wear and acid resistance. The finished product is attractive and tough enough to withstand industrial usage. Once cured, CS900 offers excellent chemical and abrasion resistance.

For use in factories, warehouses, chemical plants, effluent plants, electronic, pharmaceutical, engineering and food production premises.

- Solvent free
- Tough, attractive finish
- Excellent wear and acid resistance
- Light Grey and Mid Grey are the standard colours. Other colours and special colours may be available
- Brush or roller applied



### Supplied as:

14kg (2 component kit)

### Coverage:

60m<sup>2</sup>

## ■ Tremco CS375 Industrial Wearing Screed

CS375 is a cementitious, self levelling flooring compound for interior applications.

CS375 is specifically designed for industrial warehouses, and production areas where wear resistance is essential.

- High abrasion resistance
- Accepts full forklift traffic and is extremely durable
- Can be pumped up to 2,000m<sup>2</sup> per day with an application range of 5mm - 25mm providing a quality solution that is quick and cost effective to apply
- Can be overcoated with CS930 Epoxy Dustproofers & CS900 Epoxy Coating to provide a decorative functional finish
- Very low VOC / protein free, the product complies with HTM 61 requirements
- Colour grey



### Supplied as:

25kg plastic lined sack

### Coverage:

1.7kg/mm/m<sup>2</sup>

## ■ Tremco CS930 Epoxy Dustproofers

CS930 is a hard wearing, hygienic, attractive, and solvent free water dispersed epoxy floor coating. Good adhesion to most clean and dry substrates. Excellent chemical and wear resistance.

For use in factories, warehouses, chemical plants, electronic, pharmaceutical, engineering and food production premises. CS930 can also be used as a primer under CS900 Epoxy Coating.

- Solvent free
- Hygienic
- Good adhesion to most substrates
- Colour medium grey



### Supplied as:

10kg (2 component kit)

### Coverage:

7 to 8m<sup>2</sup> per kg depending on the porosity of the substrate

## ■ Tremco CS350 Self Smoothing Epoxy Screed

CS350 is a high performance self-smoothing epoxy resin flooring system. It provides a hygienic, dust free floor with excellent mechanical and chemical resistance.

For use in industrial and commercial floors in laboratories, schools, plant rooms, factories, engineering workshops, hospital clean rooms and many more applications.

- For hygienic, dust free floors
- Excellent mechanical and chemical resistance
- Colour light grey



### Supplied as:

Three component system resin, curing agent, and aggregate, total 20.5kg

### Coverage:

5.5m<sup>2</sup> - 6m<sup>2</sup> per 20.5kg unit at 2mm

## ■ Tremco ES100 One Coat Universal DPM

ES100 is a two part, epoxy based damp proof membrane. ES100 has been developed specifically for suppressing residual moisture in concrete and sand/cement subfloors and provides a guaranteed surface damp proof membrane with a single coat liquid application.

- Accommodates up to 97% RH
- Solvent free
- Very cost effective single coat application reducing time on site
- Suitable with underfloor heating
- Suitable for heated concrete and sand cement screeds (provided the surface temperature does not exceed 27°C in accordance with BS 8203 and BS 5325)
- Colour slate grey

### Supplied as:

10kg or 25kg units

### Coverage:

0 - 24m<sup>2</sup> per 10kg unit depending on method of application and condition of substrate to give a dry film thickness of approximately 250 - 350 microns per coat



## ■ Tremco SX100 Fibre Reinforced Smoothing Compound

SX100 is a fibre reinforced, self-levelling flooring compound for interior applications.

Designed for application to existing floors prior to the application of floor coverings including: vinyl, carpets, ceramic tiles, wood, etc.

- Fast application and minimum down time
- Can be pumped up to 2000m<sup>2</sup> per day
- Contains special fibres to give excellent crack resistance
- Protein free / Portland cement free
- Suitable for laying over existing floor finishes such as tiles or flooring grade mastic asphalt
- Colour grey

### Supplied as:

25kg units

### Coverage:

1.7kg/mm/m<sup>2</sup>



## ■ Tremco SX200 Self-levelling Green Smoothing Compound

SX200 is a fast drying, self levelling, pump applied underlayment, for levelling of concrete floors before the installation of floor coverings.

SX200 provides good resistance to impact, point loading and abrasion. Ideally suited to floors in office buildings, shops, public buildings, schools, hospitals, airports and prisons.

- Environmentally friendly product: OPC free and 38% recycled content
- Up to 30% reduction in environmental impact and global warming potential compared to traditional cementitious screeds
- Fast setting - walk on after 2 - 4 hours under suitable conditions
- Rapid installation - 2000m<sup>2</sup> per day for 7mm thickness, under suitable conditions
- Protein free - will not harbour bacteria
- Colour grey

### Supplied as:

25kg units

### Coverage:

Applied thickness 3 - 30mm



## ■ Tremco SX300 High Performance Latex Underlayment

SX300 is a two part general purpose smoothing underlayment for interior applications.

SX300 is semi levelling and is specifically designed for the preparation and smoothing of interior subfloors prior to the application of a liquid applied damp proof membrane and receiving a floor covering.

- Short setting and cure time, facilitating fast track programs and minimising disruption
- Excellent adhesion to a wide range of common flooring substrates, including: concrete, sand/cement screeds, flooring grade asphalt, TREMCO surface DPM's, etc.
- Water resistant: can be used for pre-smoothing
- Protein free
- Self priming on most surfaces

### Supplied as:

22kg grey powder and 4.65kg white liquid (2 component kit)

### Coverage:

Applied thickness 1 - 30mm



# Nationwide Depots

## ■ Ronacrete RonaDeck Resin Bonded Surfacing

RonaDeck Resin Bound Surfacing is a resin bound aggregate surface for pedestrian and vehicular traffic. RonaDeck Resin Bound surfaces are decorative and functional, seamless and slightly flexible.

The open matrix allows water to drain through to the base, eliminating water ponding and allowing water to drain to planted areas or land drains. The surfacing may be applied to SuDS compliant bases and sub-bases, reducing the impact of urban development on flood risk and allowing water to flow into water courses. Edgings created from brick, stone, timber or steel should be installed to retain and protect the resin bound surfacing.

RonaDeck Resin Bound Surfacing is a two component polyurethane resin which binds a range of selected decorative kiln-dried aggregates. Surfacing provides an attractive porous surface which is strong enough for foot and light vehicle traffic.

- Will not deteriorate or discolour when exposed to UV light
- High slip resistance
- SuDS compliant
- Highly permeable - up to 850 litres / m<sup>2</sup> / minute
- 38% of resin formulated from a botanic source
- Product warranty up to 15 years available
- Natural appearance
- Available in a wide range of colours

### Supplied as:

Surfacing Resin 7.5kg.  
Surfacing Aggregate 107kg

## ■ Ronacrete RonaDeck Resin Bonded Seal Coat UV

Resin Bonded Seal Coat UV is a clear polyurethane sealer suitable for internal and external use to seal, bind and protect RonaDeck Resin Bonded Surfacing surfaces. Used as a two coat seal.

- Improved aggregate retention and weathering resistance
- Increased abrasion resistance
- Surface is easier to clean
- Chemical resistant against a wide range of chemicals and solvents
- Simple to use
- Apply by brush or roller
- Supplied ready to use
- Moisture curing
- Non yellowing when exposed to UV light



### Supplied as:

5 litre and 22 litre units

## ■ Ronacrete RonaDeck Rapid Cure Resin Bonded Surfacing

Rapid cure decorative slip resistant safety surfacing and landscaping.

RonaDeck Resin Bonded Surfacing is a resin bonded aggregate surfacing system for landscaping, paths, car parks, drives, ramps, highways etc. RonaDeck Resin Bonded Surfacing produces a surface with the appearance of natural aggregate or stone but with aggregate which is firmly bonded to the surface.

- Rapid cure resin can be trafficked after 4 hours
- High slip resistance
- DDA compliant
- Self priming on asphalt and concrete
- Highly decorative
- Suitable for pedestrian and vehicular traffic
- Available in a wide range of colours

### Supplied as:

System supplied as:

RonaDeck Resin Bonded GP Primer - 5 litres
RonaDeck Resin Bonded Steel Primer - 5 litres
RonaDeck Resin Bonded Surfacing Resin - 7.5kg
RonaDeck Resin Bonded Surfacing Aggregate - 25kg
RonaDeck Resin Bonded Seal Coat UV - 5 litres and 22 litres

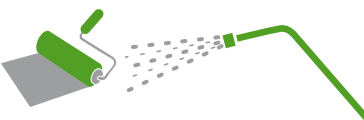


## ■ Ronacrete RonaDeck Eco Tree Pit

RonaDeck Eco Tree Pit is a resin bound natural aggregate finish surround for planted trees in public and private areas. Surrounding the tree in a solid yet semi-flexible construction allows the tree to grow, prevents a build up of litter and removes a storage or hiding place for hazardous items such as syringes and needles. Dogs are also less likely to foul in such areas. Available in a variety of colours.

The RonaDeck Eco Tree Pit comprises a two component polyurethane resin and a range of selected rounded attractive aggregates. The design of this resin bound aggregate system provides a surface which is attractive, highly porous and able to receive light foot traffic.

- SuDS compliant - highly permeable
- UV stable - non yellowing resin
- Natural aggregate appearance
- Alternative to tree grilles
- Recycled aggregates available
- Installed by approved contractors
- Design can accommodate some tree growth
- Attractive; complements the surrounding area
- Design accommodates tree growth
- Low maintenance
- Variety of colours



### Supplied as:

25kg batch
100kg batch

### Coverage:

Coverage @ 40mm 0.41m <sup>2</sup>
Coverage @ 40mm 1.66m <sup>2</sup>

## ■ Ronacrete RonaDeck Resin Bonded Scratch Coat

RonaDeck Resin Bonded Scratch Coat is a polyurethane scratch coat for filling defects, unevenness and holes in the matrix of surfaces prior to the application of RonaDeck Resin Bonded Surfacing.

RonaDeck Resin Bonded Scratch Coat has excellent adhesion to bituminous, cementitious, timber and metal surfaces. The speed of RonaDeck Resin Bonded Scratch Coat enables it to be overlaid within 1 - 2 hours at 10°C to 20°C. It is supplied as a two component product.

Surfaces on which RonaDeck Resin Bonded Scratch Coat is applied must be well constructed, structurally stable with good cohesive strength and suitable to receive a bonded high strength surfacing. Weakness in or on the surface is likely to result in failure.

- Scrape on/scrape off pore filler
- Use prior to application of RonaDeck Resin Bonded Surfacing
- Reduces amount of resin needed on open face surfaces
- Quick curing
- Allows overlay within 1-2 hours
- Easy to use



### Supplied as:

20kg; supplied as powder and liquid
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### Coverage:

2kg - 4kg per m <sup>2</sup>
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## ■ Ronacrete RonaDeck Resin Bonded Pore Filler

RonaDeck Resin Bonded Pore Filler is a fast cure cementitious pore filler for filling pores and voids in the matrix of surfaces prior to the application of RonaDeck Resin Bonded Surfacing. It is used prior to the application of RonaDeck Resin Bonded Surfacing to fill holes and voids in the surface and considerably reduce the amount of RonaDeck Resin Bonded Surfacing Resin used on open texture surfaces.

RonaDeck Resin Bonded Pore Filler has excellent adhesion to bituminous and cementitious surfaces. The speed of RonaDeck Resin Bonded Pore Filler enables it to be overlaid within 1 - 2 hours at 10°C to 20°C. It is supplied as a two component product, powder and liquid. Surfaces on which RonaDeck Resin Bonded Pore Filler is applied must be well constructed, structurally stable with good cohesive strength and suitable to receive a bonded high strength surfacing. Weakness in or on the surface is likely to result in failure.

- Scrape on/scrape off pore filler
- Use prior to application of RonaDeck Resin Bonded Surfacing
- Reduces amount of resin needed on open face surfaces
- Quick curing
- Allows overlay within 1-2 hours
- Easy to use



### Supplied as:

5kg; supplied as powder and liquid
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### Coverage:

1kg - 2.5kg per m <sup>2</sup>
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## ■ Ronacrete RonaDeck EcoPath UV

RonaDeck EcoPath UV is a resin bound aggregate surface for pedestrian traffic as an alternative to conventional paving. RonaDeck EcoPath UV surfaces are decorative and functional, seamless and slightly flexible.

RonaDeck EcoPath UV comprises RonaDeck EcoPath UV Resin, a two component UV stable polyurethane resin which binds aggregate and recycled vulcanised rubber granules. RonaDeck EcoPath UV provides an attractive surface, is strong enough for foot traffic, and is highly porous. RonaDeck EcoPath UV is typically applied to compacted Type 3 aggregate to provide a thin alternative to asphalt or concrete. RonaDeck EcoPath UV is designed for light foot traffic only. It is not designed for road surfacing, drives or car parks.

- SuDS compliant - highly permeable paving
- UV stable resin will not discolour
- Natural aggregates
- Uses rubber granules recycled from truck tyres
- Alternative to conventional paving
- Flexible
- Installed by approved contractors
- Low maintenance



### Supplied as:

104kg batch
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### Coverage:

Coverage @ 35mm 2.4m <sup>2</sup>
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# Nationwide Depots



## ■ Larsen Streetscape PS

Larsen Streetscape PS is a polymer modified cement based slurry specifically designed to meet the recommended performance characteristics of BS7533 parts 4, 7 & 12.

It is manufactured from a controlled blend of specially selected aggregates, cements, and synthetic polymers and only requires the addition of water to produce a high quality priming slurry for use to improve bond strengths of natural stone setts and cobbles, flags, concrete and clay pavers to Larsen Streetscape FBC.

- Easy to use
- Colour grey
- Brush apply
- BS7533 compliant



### Supplied as:

25kg bags

### Coverage:

25 kg will cover 19m<sup>2</sup>



## ■ Larsen Streetscape FJM

Larsen Streetscape FJM is a fast setting flowing jointing grout mortar specifically designed to meet the recommended performance characteristics of BS7533 parts 4, 7 & 12.

It is manufactured from a controlled blend of specially selected aggregates, cements and additives and only requires the addition of water to produce a high quality grouting mortar for rigid or bound construction methods. Streetscape FJM is ideal for the installation of natural stone setts and cobbles, flags, concrete and clay pavers.

- >40MPa compressive strength
- 5 - 50mm joint widths
- Up to 200mm joint depths
- Low shrinkage
- Frost resistant
- Colours grey, charcoal, buff and black
- BS7533 compliant



### Supplied as:

25kg bags or bulk site silo

### Coverage:

Yield 13.6L per 25kg

## ■ Larsen Streetscape FBC

Larsen Streetscape FBC is a fine bedding concrete specifically designed to meet the recommended performance characteristics of BS7533 parts 4, 7 & 12.

It is manufactured from a controlled blend of specially selected aggregates, cements, fibres and additives and only requires the addition of water to produce a high quality bedding layer for rigid construction methods. Streetscape FBC is ideal for the installation of natural stone setts and cobbles, flags, concrete and clay pavers.

- >40MPa compressive strength
- 10 - 75mm bed depth in one pass
- Low shrinkage
- Frost resistant
- Vehicle traffic after 24 hours
- Colour grey
- BS7533 compliant



### Supplied as:

25kg bags or bulk site silo

### Coverage:

Yield 13.2L per 25kg

## ■ Fosroc® XR Cobbleset

High flow, easy to mix, shrinkage compensated rapid setting grout. XR Cobbleset is supplied as a pre-mixed blend of cements, silica sands and additives, which only require mixing with clean water to produce a consistent mortar. It has excellent bond strength without the use of a primer and can be applied in thicknesses of 5mm to 100mm in one application.

XR Cobbleset is used for the rapid pointing of granite setts, pre-cast concrete stone pavements and slabs. XR Cobbleset is especially beneficial in heavily pedestrianised areas, where a rapid reopening to the public is required.

XR Cobbleset has been specifically formulated for grouting between granite setts with rapid return to service and is particularly useful when a fast reopening to pedestrians is required.

- Rapid strength gain – will accept foot traffic in 30 minutes
- Pre-mixed and bagged material which only requires the addition of clean water
- Shrinkage compensated formulation
- Excellent bond strength
- Easy to mix
- Manufactured under an approved BS EN ISO 9000 Quality System



### Supplied as:

25kg bags

### Coverage:

Yield approximately 13.0 litres





## ■ Arbo Cleaner 15

Arbo Cleaner No.15 is a Ketone based cleaner suitable for the effective cleaning and degreasing of many different construction products.

Recommended For – Glass, Anodized and Mill Finish Aluminum, Stainless Steel, Galvanized Steel, Copper, Ceramic and Vitrified Tiles, GRP, Untreated Timber. Concrete and Brick for the removal of old sealant residues.



## ■ Arbo Cleaner 17

Arbo Cleaner No.17 is a Xylene based cleaner suitable for the effective cleaning and degreasing of many different construction products.

Recommended For – Anodized and Mill Finish Aluminum, Stainless Steel, Galvanized Steel, Copper, Ceramic and Vitrified Tiles, GRP, Untreated Timber. Concrete and Brick for the removal of old sealant residues.

Cleaning of mixing and application equipment.



## ■ Gun and Foam Cleaner

Gun & Foam Cleaner is a ready to use cleaning aerosol can for use on Soudafoam Gun and Soudal foams.

### Characteristics

- Used in conjunction with Soudafoam Gun and the foam applicator as cleaning fluid
- Contains solvents
- Can be used with normal cans due to the attachable spray nozzle

### Applications

- Cleaning of the gun
- Cleaning of the valves of the PU Foam Aerosol
- Removal of uncured foam

### Supplied as:

Carton 12 x 500ml



## ■ Biodex Wash

Biodex Wash is a powerful surface treatment for neutralising active mould, fungal and bacterial growth prior to the application of products in the Flexcrete range.

Biodex Wash is designed to kill active mould, fungal and bacterial spores and organisms such as moss, lichen and algae, prior to the application of primers, coatings and repair mortars in the Flexcrete range. Unlike many conventional systems, Biodex Wash remains active after its initial application, guarding against subsequent infection for up to two years. It is supplied in the form of a concentrate.



## ■ Skeleton Gun

Single component manual applicator for cartridges. Strong metal frame with tough epoxy coated paint finish for a long tool life.



## ■ Cartridge Gun

Single component applicator for cartridges. Powerful 12:1 trigger for easy dispensing. Very good build quality – designed with the professional in mind for a high service life.



# Nationwide Depots

# Grouts, Chemicals and Sealants

## ■ Bulk Gun

For medium to high viscosity material. The Powerflow Bulk is a large capacity, speciality applicator for low viscosity (pouring grade) bulk materials. It can also be used for the application of sachet packed sealants.



## ■ Combi Gun

Single component applicator for cartridges and sachets. Powerful 12:1 trigger for easy dispensing. Very good build quality – designed with the professional in mind for a high service life.



## ■ Ball Joint Nozzle

Ball-jointed, flexible nozzle adapter for use with all 310ml cartridges. Simple angled sealant gunning precision to allow use in tight spots.



## ■ White and Yellow Nozzles

Spare nozzles for Powerflow Guns.



## ■ Tooling Sticks

Wave shaped tooling sticks for smoothing mastics and sealants. Curved handle to fit your hand and further shaped to fit various joint applications.



## ■ Pigtail Mixer

Fits standard sized drill chucks to mix most 2 – part materials thoroughly and correctly, especially polysulphide based mastic sealants etc.



## ■ Follower Plate

To be used specifically to vacuum suck material from 2.5 litre tins into empty cartridges or barrel guns etc. 153mm width to be used with 2.5 litre tins such as Thioflex 600 (GunGrade) with a purpose built bolt and thread handle.



## ■ Thioflex Mixer Paddle

Purpose made tool for the thorough mixing of Thioflex 600 polysulphide sealant. Simply insert into a slow speed drill and mix the two parts together directly in the tin.

- Heavy duty, robust, heavy gauge steel
- Fits most standard drill chucks
- Perfect for mixing 2-part sealants together in the tin



## ■ Wonder Wipes

Everbuild wonder wipes are specially formulated for the building and allied trades to clean wet and semi-cured paints, sealants, adhesives, bitumen's, polyurethanes, expanding foams, polyester fillers and epoxies from hands, tools and surfaces. Wonderwipes contain a powerful antibacterial additive which has been tested by an independent laboratory to BSEN 1276:2009 and PREN 12054:1995 – the standards for killing bacteria on dirty surfaces and hands. Wonderwipes are resistant to MRSA, salmonella, Listeria and E.Coli but also easily remove oil, grease petrol and inks, yet the powerful cleaning agents are still kind to hands. Wonder wipes are available in containers containing 100 or 300 wipes.



## Nationwide Depots

# Constru Plus

## Specially designed for construction

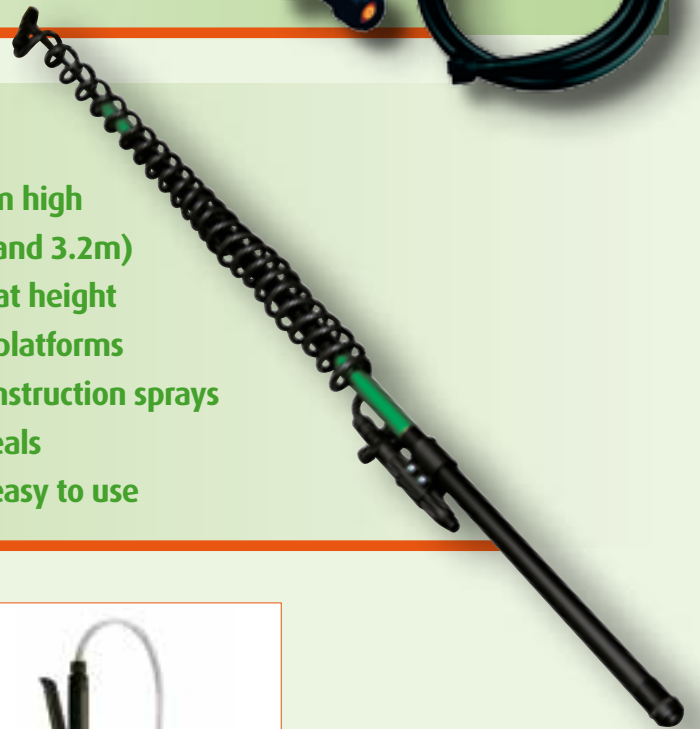


- Highly resistant – Viton seals, PE Filters, PP Nozzles, 2 hoses – one resistant to acids and the other appropriate for solvents
- Versatile – suitable for shuttering, curing, cleaning, waterproofing, descaling, degreasing
- Tested with popular construction compounds
- 7 Ltr Capacity
- Costs less but lasts longer than most metal sprayers
- Includes extras for specific applications: 0.42m extension, fan nozzle for acids, disc nozzle for emulsions, 0.25m flexitube and acids hose



### Extendable Lance

- Enables spraying up to 6m high
- Three positions (1.2, 2.3 and 3.2m)
- Eliminates need to work at height
- Eliminates need to build platforms
- Specially designed for construction sprays
- Highly resistant – Viton seals
- Lightweight (700g) and easy to use



## Other Sprayers

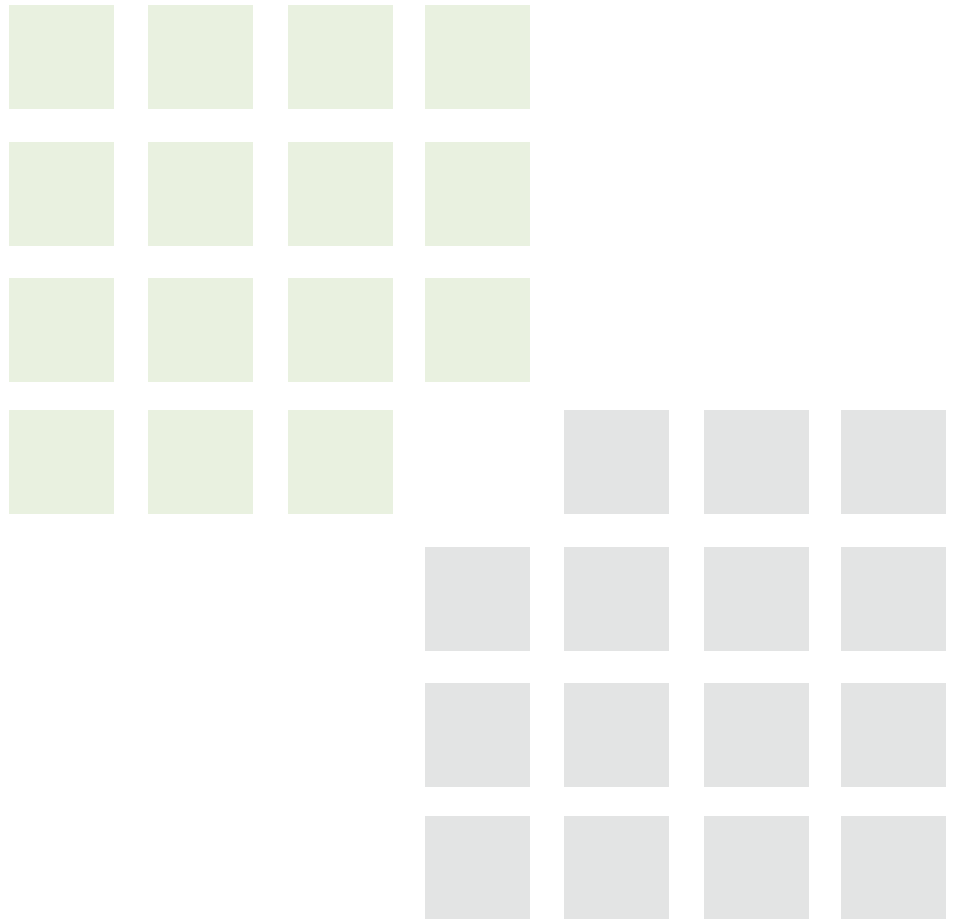
### Tango Sprayer

- Economical general purpose sprayer
- Robust design



Nationwide Depots

# Balcony Connectors and Shear Dowels



# Ancon

## ESD/DSD Shear Load Connectors

### Ancon ESD

The Ancon ESD shear load connector is used where loads are small, but where alignment is critical. It is available in four sizes with each size available in two lengths. The dowel component is Duplex stainless steel bar.



### Ancon ESDQ

The Ancon ESDQ shear load connector uses the same dowel as the ESD, but the cylindrical sleeve is contained within a rectangular box section to allow lateral movement or rotation in addition to longitudinal movement.



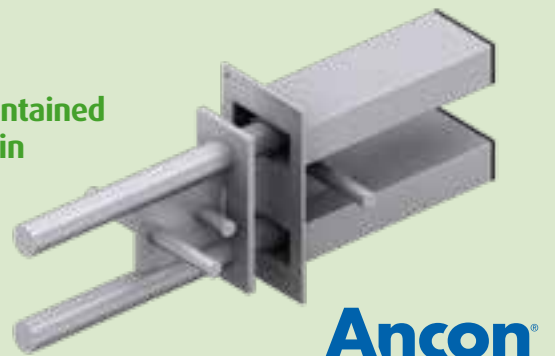
### Ancon DSD

The Ancon DSD is the original two-part, double dowel, shear load connector. The two dowels are Duplex stainless steel bar. The dowel component can move longitudinally within the sleeve to accommodate movement. The connector is available in ten standard sizes and has design resistances from around 20kN to over 950kN. The larger connectors can be used in joints up to 60mm wide. Larger joints can be accommodated using special dowels. Please contact Mier's Technical Department for further information.



### Ancon DSDQ

The Ancon DSDQ shear load connector uses the same dowel component as the Ancon DSD, but the cylindrical sleeve is contained within a rectangular box section to allow lateral movement in addition to the longitudinal movement. There are nine standard sizes which have design resistances from around 30kN to over 950kN.



**Ancon®**

Nationwide Depots



## Ancon Lockable Dowels

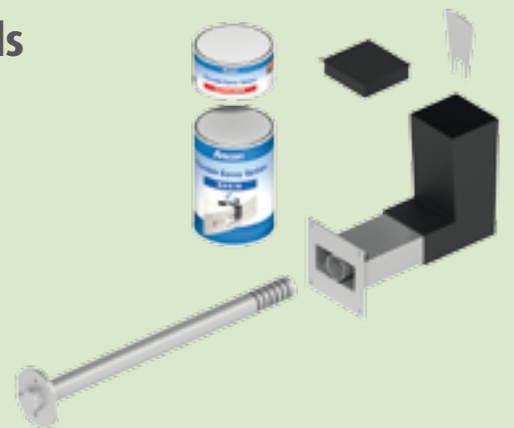
Lockable Dowels have been designed by Ancon for use at temporary movement joints, most commonly found in post-tensioned concrete frames.

These dowels allow initial shrinkage of the concrete to take place and are then locked in position with a mechanical plate and a controlled amount of epoxy resin. The locked dowels continue to transfer shear, but prevent further movement taking place.



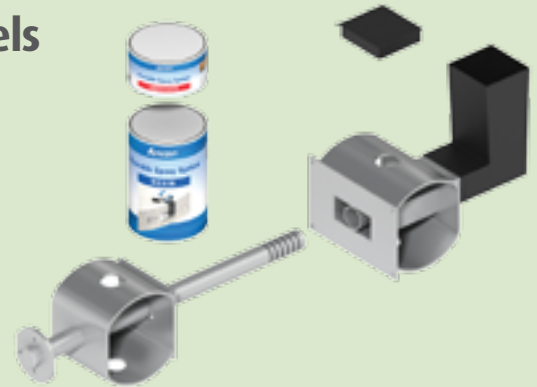
### Ancon ESDQ-L20 Slab-to-Slab Lockable Dowels

The dowel component is manufactured from 30mm diameter stainless steel; one end features two fixed overlapping anchor discs and the other has a series of grooves to accept the Locking Plate. The cylindrical sleeve which accepts the dowel component is contained within a box-section to allow lateral, longitudinal and some rotational movement. This product has a design capacity of up to 71kN.



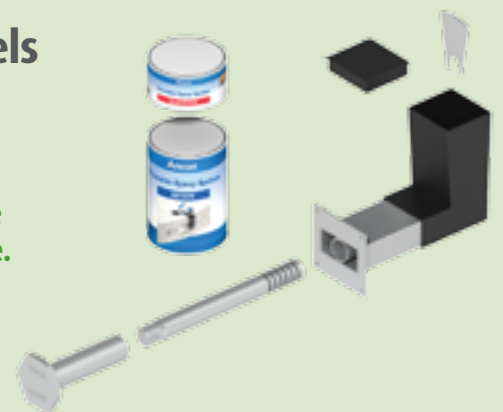
### Ancon HLDQ-L30 Slab-to-Slab Lockable Dowels

The HLDQ-L30 is a high load Lockable Dowel with a design capacity of up to 136kN.



### Ancon ESDQ-L20W Slab-to-Wall Lockable Dowels

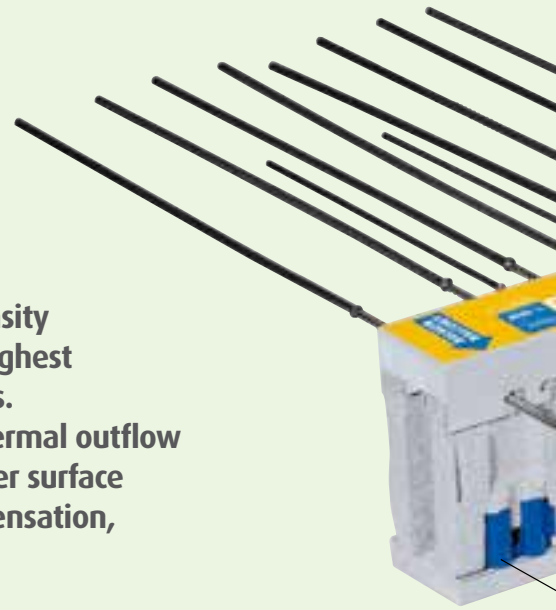
The dowel component is manufactured from 30mm diameter stainless steel, but is shorter than the ESDQ-L20 dowel. One end of the dowel is designed to fix into the stainless steel Ancon SKS24 Threaded Anchor cast into the face of the concrete and the other end features a series of grooves to accept the Locking Plate. The sleeve component is the same as used in the ESDQ-L20.



# Schöck Isokorb® type K

## Concrete-to-concrete

The Schöck thermal break element, the Isokorb®, with its simple “drop-in” installation, low thermal conductivity and integral load bearing capacity offers the ideal insulation solution to the problems of structural thermal bridging. It is manufactured from state-of-the-art materials – stainless steel and high density microfibre reinforced concrete – which guarantee the highest quality thermal partitioning of balconies and floor slabs. Schöck Isokorb® thermal breaks dramatically reduce thermal outflow which not only saves energy costs but also means higher surface temperatures inside, eliminating the risk of extra condensation, damage and mould growth.



### Setting a new benchmark

Using the latest generation of micro stainless steel fibre reinforced concrete pressure-bearing blocks, the Schöck Isokorb® range sets a new benchmark in thermal break technology. The Schöck Isokorb® type K with HTE-pressure-bearing module provides the best thermal performance achievable with thermal breaks today. The new core material of the HTE-Module improves its performance dramatically, reducing thermal conductivity by 50%. This, combined with the change of polystyrene to Neopor®, has the effect of improving the overall performance of the Isokorb® by 20%, e.g. a typical  $\lambda_{eq}$  of an Isokorb K20 is 0,087 (W/m · K)

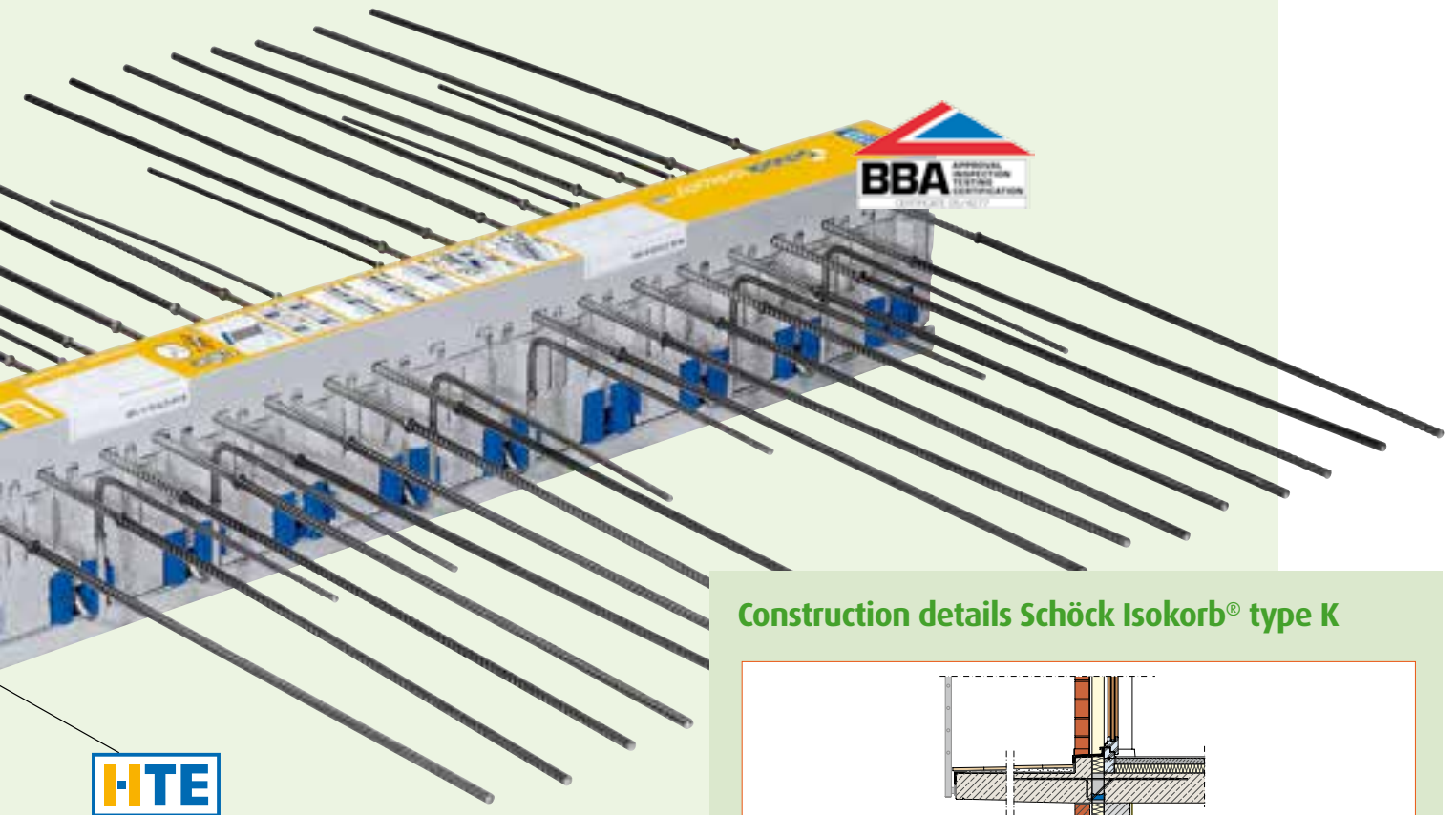


### Other advantages in the construction process are:

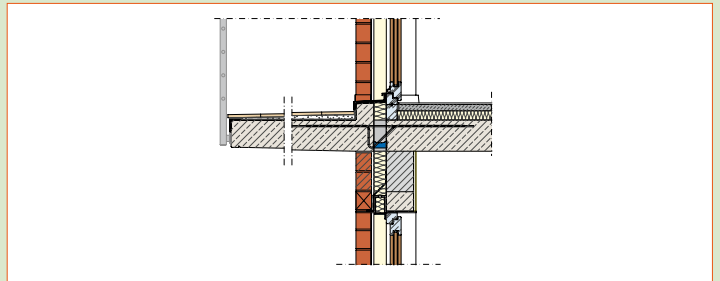
- The units are light and easily handled by one man
- Drop-in fast installation – averaging less than five minutes per unit
- The product has a uniquely low thermal conductivity
- The first and therefore unique thermal break element with BBA certification, No. 05/4277

Nationwide Depots

# Balcony Connectors and Shear Dowels



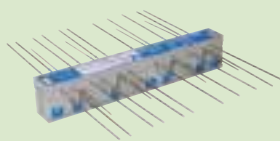
## Construction details Schöck Isokorb® type K



## Construction materials Schöck Isokorb® type K

On-site concrete	Minimum density class C25/30 (at component junctions)
Pressure bearing pad	PE-HD synthetic cloaking
Reinforcement steel	BSt 500S
Steel construction	S235 JRG1
Stainless steel	Construction material no. 1.4571 hardening level S460
	Reinforcement ribs BSt 500 NR, material no. 1.4362 or 1.4571
Fire protection plates	Lightweight building boards, materials class A1, cement-bound fire safety boards, mineral wool: $\rho \geq 150 \text{ kg/m}^3$ Melting point $T \geq 1000^\circ\text{C}$ with integrated fire protection strips
Insulation Material	Neopor® <sup>1)</sup> , polystyrene hard foam with graphite ( $\lambda = 0.031 \text{ W/(m} \cdot \text{k)}$ )

<sup>1)</sup>registered brand name of BASF



For particularly  
demanding  
concrete-  
to-concrete  
specifications the

BBA approved Schöck Isokorb® KXT  
is available. With 120 mm insulation  
it is the company's most efficient  
thermal break ever, offering 30%  
more thermal performance and 50%  
greater impact sound insulation  
compared with the standard type K.  
Contact us for further information.



## Nationwide Depots

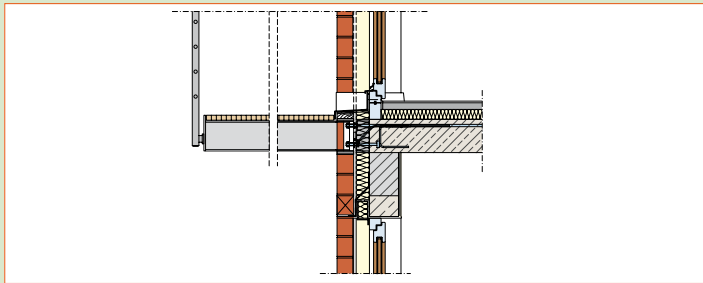
# Schöck Isokorb® type KS

## Concrete-to-steel & steel-to-steel

The Schöck Isokorb® type KS enables a thermally insulated, loadbearing connection to be made between reinforced concrete and steel construction components. Fine tuning and adjustment to optimize fitting tolerance is possible.



### Construction details Schöck Isokorb® type KS



### Construction materials Schöck Isokorb® type KS

Reinforcing steel	B 500 B acc. to BS 4449, and BSt 500 NR
Pressure bearing	S 355 J0
Nonrusting steel	Material no.: 1.4401, 1.4404 and 1. 4571
Pressure plate	Grade A4-70 to BS EN
Spacer shims	ISO 3506
Threaded fasteners	
Insulation material	Neopor®, polystyrene hard foam with graphite ( $\lambda = 0.031 \text{ W}/(\text{m} \cdot \text{k})$ )



### On-site:

- Cuts down on operation time
- Ensures corrosion protection with its stainless steel finish
- Different types ensure the transmission of shear, bending moment and tension, as well as compression
- BBA certification No. 05/4277



Nationwide Depots



# Schöck Isokorb® type KST

## Concrete-to-steel & steel-to-steel

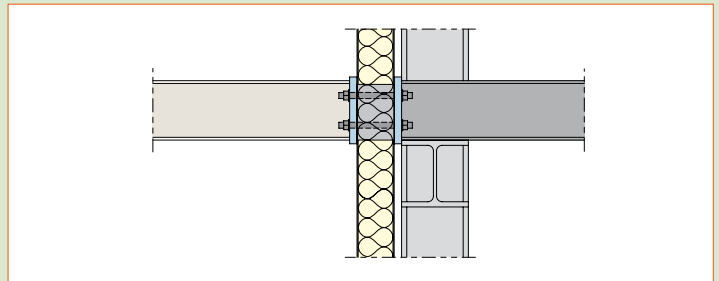
Free cantilever or canopies, balconies or walkways, the Schöck Isokorb® type KST offers complete freedom of design when it comes to steel construction. The unit is able to withstand extremely demanding loads and is effective against bending moment and shear force. Its stainless steel components mean that the unit is completely protected from corrosion.



### On-site:

- It is easy to fit with regular end plate connections
- All available steel profiles can be bolted on
- Specific load situations controlled by modular use of components
- Designed to suit loading conditions in residential and commercial buildings
- BBA certification No. 10/4801

### Construction details Schöck Isokorb® type KST



### Construction materials Schöck Isokorb® type KST

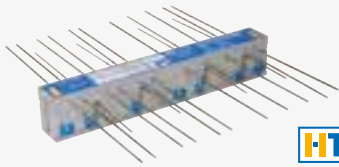
Nonrusting steel	Material no.: 1.4401, 1.4404 and 1. 4571
Pressure plate	Grade A4-70 to BS EN
Rectangular hollow section	ISO 3506
Threaded fasteners	
Insulation material	Neopor®, polystyrene hard foam with graphite ( $\lambda = 0.031 \text{ W/(m} \cdot \text{k)}$ )



## Nationwide Depots



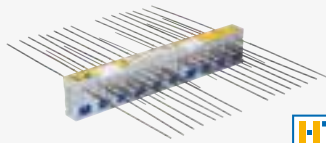
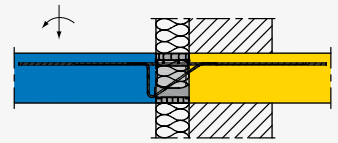
# A comprehensive range for every application



HTE

## Schöck Isokorb® type KXT

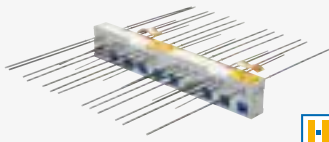
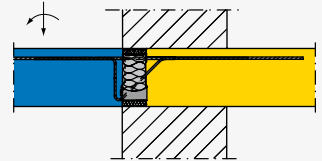
Load bearing element for cantilever balconies, with an insulation thickness of 120 mm.



HTE

## Schöck Isokorb® type K

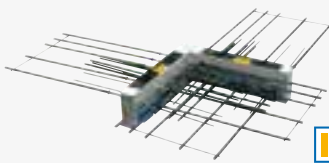
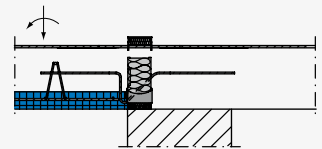
Load bearing element for cantilever balconies. Transfers shear force and bending moment stress. With integrated hanging and edge reinforcement fitted as standard, makes the (normally required) on-site adding of extra stirrups and reinforcement redundant.



HTE

## Schöck Isokorb® type KF

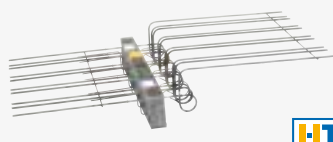
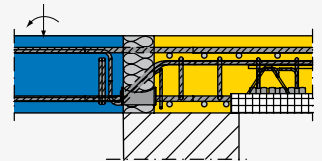
For cantilever hanging slabs as precast elements. Partitioned model specially for the requirements of prefabricating plants. The on-site hanging reinforcement is integrated as standard.



HTE

## Schöck Isokorb® type K-corner

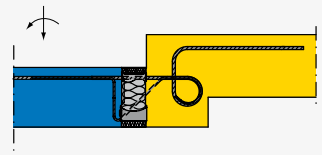
Produced as a supplement to types K and KF, Schöck Isokorb® type K-corner is used to form balconies with outside corners. The on-site hanging reinforcement is integrated as standard.



HTE

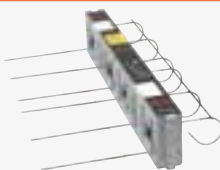
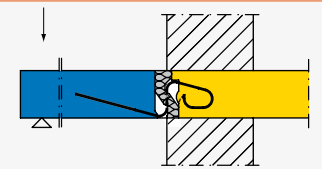
## Schöck Isokorb® type K-HV, K-BH, K-WO, K-WU

For stepped cantilever balconies, i.e. where slabs and balconies have to be set at different heights. The on-site hanging reinforcement is integrated as standard.



## Schöck Isokorb® type V

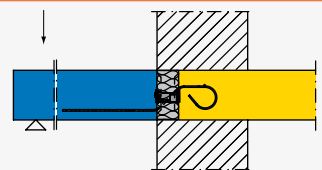
For insulation of balcony slabs with flexible joints, podiums and column supported balconies. Ideal for shear force transfer.



HTE

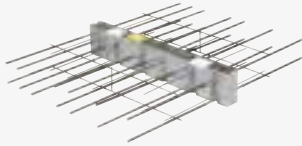
## Schöck Isokorb® type Q

For shear and lateral force transfer, also where height and stress points are critical.



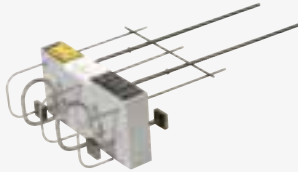
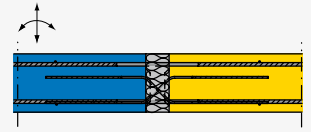
## Nationwide Depots

# Balcony Connectors and Shear Dowels



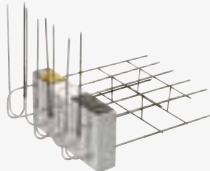
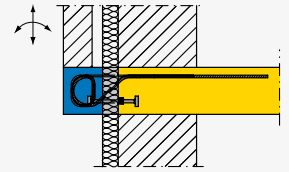
## Schöck Isokorb® type D

For insulation of balcony slabs where they appear within the floor slab field. Carries not only positive and negative bending moment stress but also shear forces.



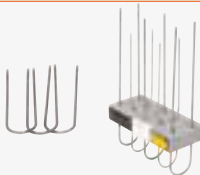
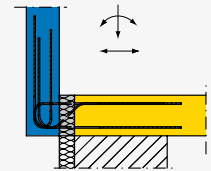
## Schöck Isokorb® type O

For insulation of corbelled facing consoles. Point installation according to design requirement spacing.



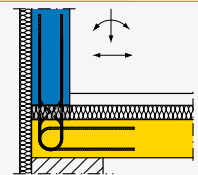
## Schöck Isokorb® type F

For insulation between protruding balustrades. Point installation according to design requirements regarding spacing.



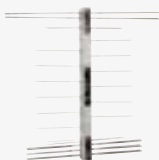
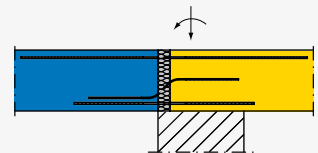
## Schöck Isokorb® type A

For insulation between parapets and floor slabs. Point installation according to design requirements regarding spacing.



## Schöck Isokorb® type S

For insulation at cantilever beams. Carries bending moment and shear force stress at exact point of origin. It is designed and manufactured according to the spacing requirements.



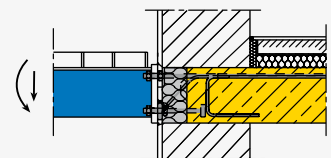
## Schöck Isokorb® type W

For insulation at floor/storey level wall height. Carries bending moment and shear forces both vertically and horizontally. It is designed and manufactured according to the spacing requirements.



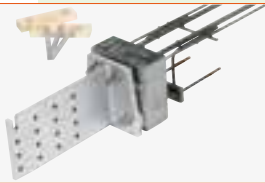
## Schöck Isokorb® type KS/QS

The thermally insulating steel connection for free cantilever and supported steel members on reinforced concrete components.



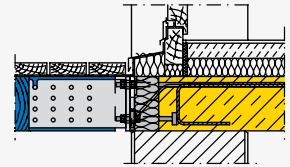
## Nationwide Depots

## Comprehensive range



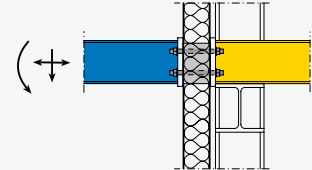
### **Schöck Isokorb® type KSH/QSH**

The thermally insulating connection for free cantilever and supported timber structures on reinforced concrete components.



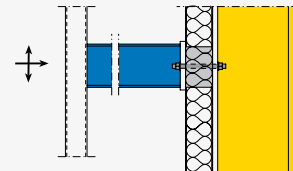
### **Schöck Isokorb® type KST**

The thermal insulation element for where steel-to-steel cantilever connection is planned.



### **Schöck Isokorb® type KST-QST**

The thermal insulation element for shear forces involving steel-to-steel construction.



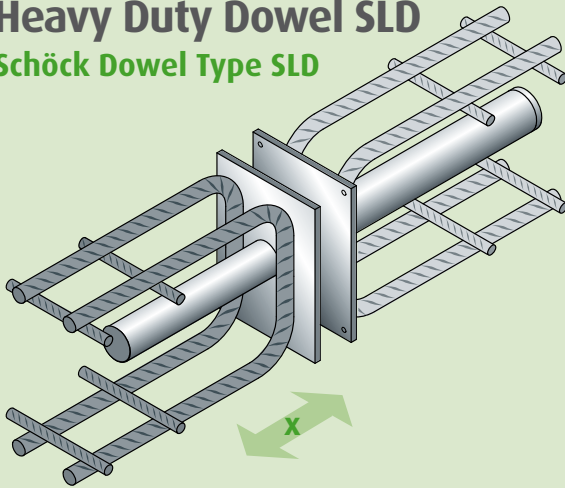
## Nationwide Depots

## Schöck Dowel Shear load connectors

Schöck Shear load connectors are a cost effective way to ensure the highest levels of reliability for expansion joints without the need for additional construction.

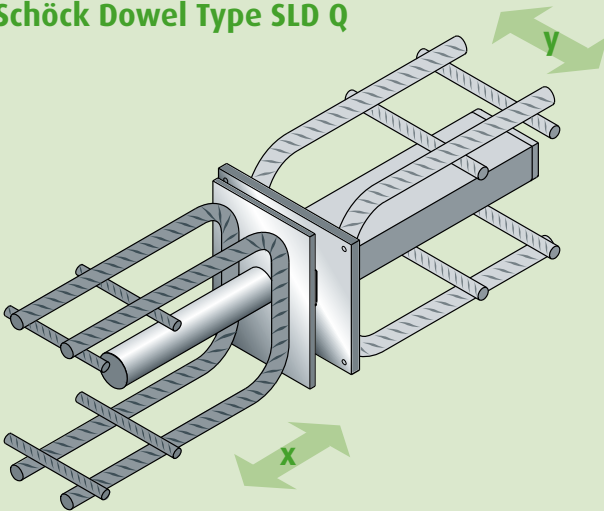


### Heavy Duty Dowel SLD Schöck Dowel Type SLD



- Heavy duty dowel for the transfer of large shear forces
- Movable in x-direction
- Stainless steel
- Eurocode compliant

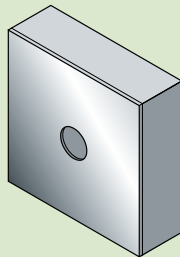
### Schöck Dowel Type SLD Q



- Heavy duty dowel for the transfer of large shear forces
- Movable in x-direction, in y-direction  $\pm 15\text{mm}$
- Stainless steel
- Eurocode compliant

### Accessories for Heavy Duty Dowel SLD

#### Schöck fire protection collar SLD-BSM



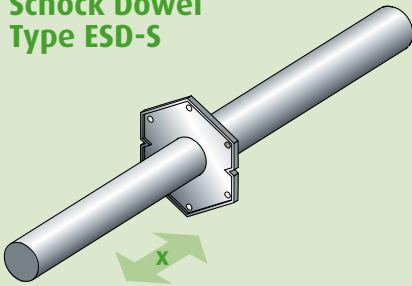
- Fire protection collar for classification of the whole connection as fire class R 90 for 90 minutes

 **Schöck** Dowel

## Nationwide Depots

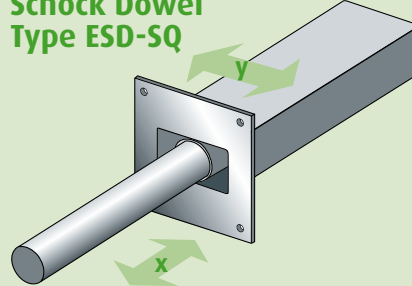
## Single Shear Dowel ESD

### Schöck Dowel Type ESD-S



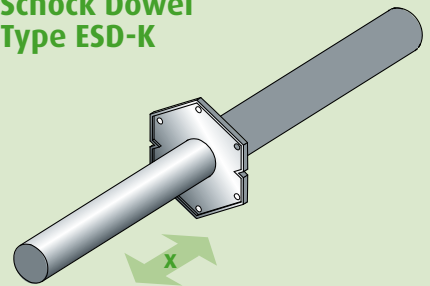
- Single shear dowel for the transfer of shear forces
- Dowel and sleeve made from stainless steel
- Movable in x-direction

### Schöck Dowel Type ESD-SQ



- Single shear dowel for the transfer of shear forces
- Dowel and sleeve made from stainless steel
- Movable in x- and y-directions

### Schöck Dowel Type ESD-K



- Single shear dowel for the transfer of shear forces
- Dowel made from stainless steel
- Plastic sleeve with fixing plate
- Movable in x-direction

## Schöck Dowel Type SLD

### Design resistance steel $V_{Rd,s}$

### Steel load-bearing capacity of the dowels in concrete

The steel load-bearing capacity of the dowel is of vital importance in components (such as walls, supports etc.) for which concrete failure due to concrete edge fracture or punching can be excluded. This value was determined from the load-bearing capacity of the welded links, weld seams, front plate and dowel.

Steel load capacity of dowel $V_{Rd,s}$ (kN)		Expansion joints (mm)					
		10	20	30	40	50	60
SLD	40	85.0	67.6	50.2	37.6	30.1	25.1
	50	102.5	85.6	66.4	50.1	40.1	33.4
	60	126.6	105.7	84.8	65.0	52.0	43.4
	70	163.1	139.6	116.1	92.6	74.1	61.7
	80	204.3	178.2	152.0	125.9	101.6	84.7
	120	270.7	270.7	253.8	221.6	189.4	158.9
	150	372.0	372.0	341.9	305.3	268.7	232.2
SLD Q	40	76.5	60.8	45.2	33.9	27.1	22.6
	50	94.3	77.0	59.8	45.1	36.1	30.1
	60	113.9	95.1	76.3	58.5	46.8	39.0
	70	146.8	125.6	104.5	83.3	66.7	55.6
	80	183.8	160.3	136.8	113.3	91.5	76.2
	120	270.7	257.4	228.4	199.4	170.5	143.0
	150	372.0	340.6	307.7	274.8	241.9	209.0

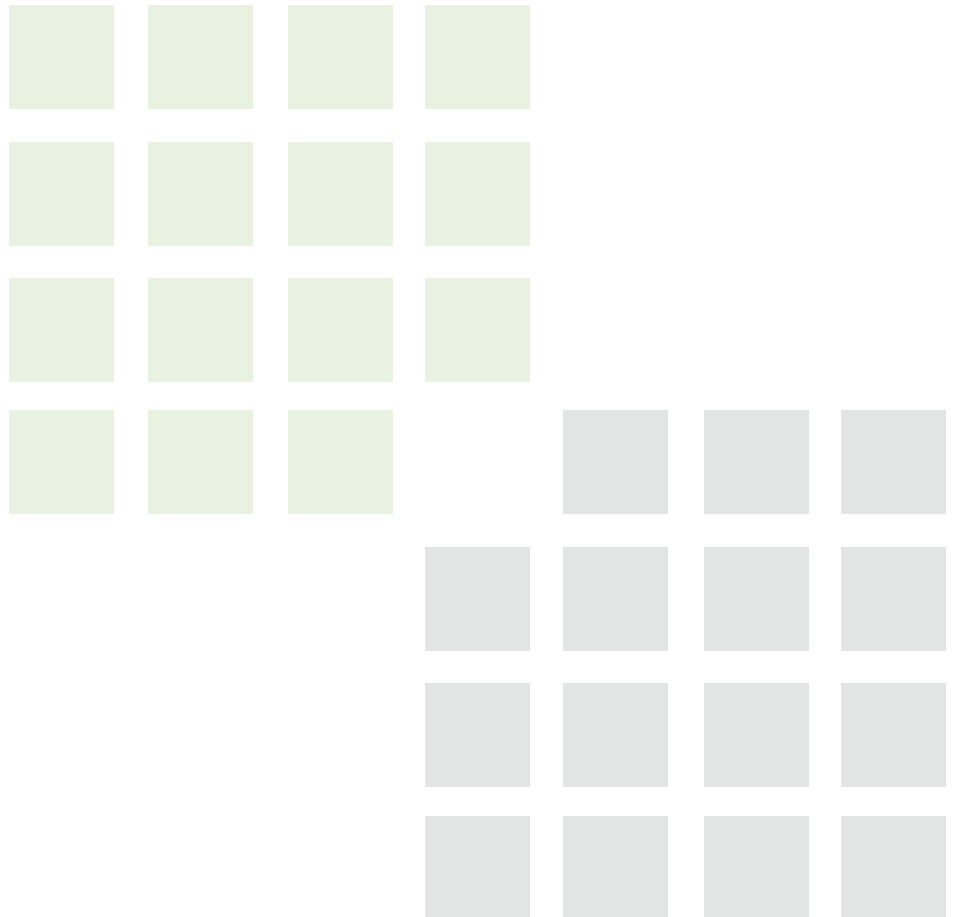
### Also available:

- Technical information pack
- Planning tool downloads
- Advice and suggested solutions
- Calculations and detailed drawings

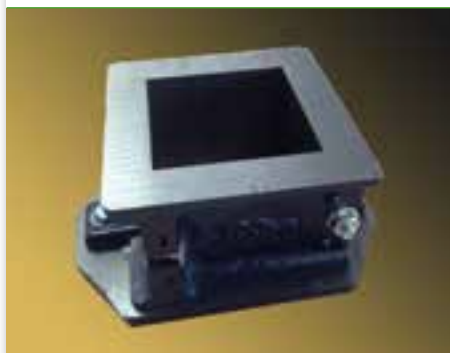
Nationwide Depots



## Concrete Testing



■ **Cube Mould**  
4 - part metal



**Sizes (mm)**

100 x 100

150 x 150

■ **Slump Cone**



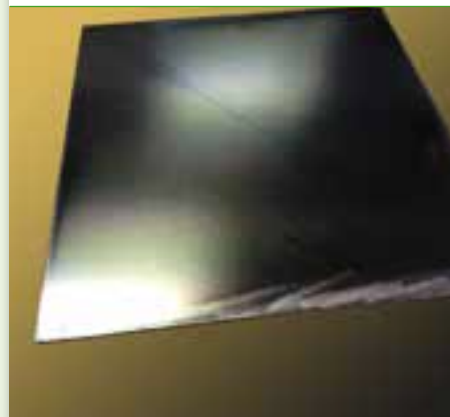
■ **Scoop**  
Aluminium



■ **Tamp Rod**  
For use with slump cone



■ **Base Plate**  
For use with slump cone



■ **110V Curing Tank**  
12 cube capacity

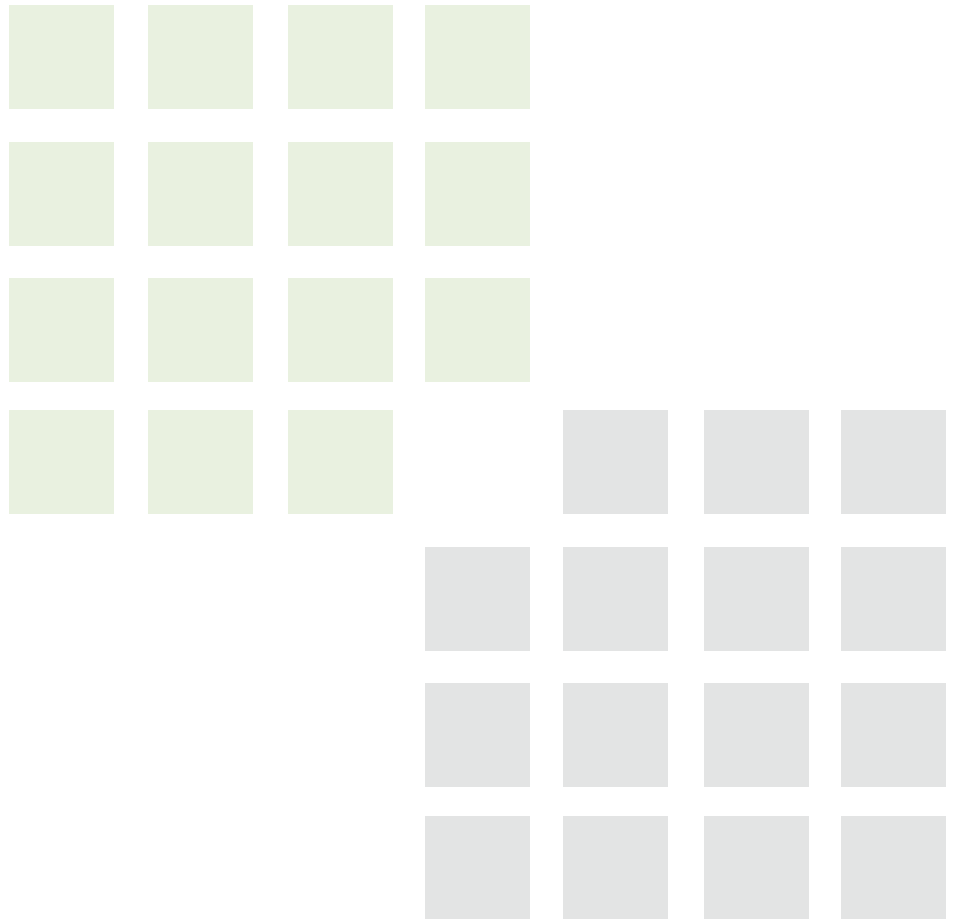


■ **Digital Concrete Thermometer**



Nationwide Depots

## Brickwork Accessories



## ■ Visqueen Zedex CPT DPC

Visqueen Zedex CPT high performance DPC & cavity tray system is manufactured from co-polymer thermoplastic (CPT) providing all the characteristics necessary for it to perform effectively for the lifetime of the building in which it is incorporated.

Width (mm)	Length (m)	m <sup>2</sup> /Roll
100	20	2
150	20	3
225	20	4.5
300	20	6
450	20	9
600	20	12
900	20	18
1000	20	20
1200	20	24



## ■ Zedex Housing Grade DPC

Zedex Housing Grade DPC is suitable for housing construction up to three storeys and out performs all other flexible housing grade DPCs. It is strong and puncture resistant, also with excellent workability in winter conditions.

Width (mm)	Length (m)	m <sup>2</sup> /Roll
100	20	2
150	20	3
225	20	4.5
300	20	6
450	20	9
600	20	12
900	20	18



**VISQUEEN**  
BUILDING PRODUCTS

## ■ Visqueen Zedex High Bond DPC

Visqueen Zedex High Bond DPC is a high performance heavy duty DPC suitable for general cavity tray applications including parapet walls, beneath copings and cappings, in gas resistant applications and complex detailing work at ground level. Visqueen Zedex High Bond DPC can be torch bonded to masonry units and all laps are homogenously sealed during the torch bonding process.

### Key Features

- A high performance DPC
- Superior performance in low compressive load applications
- Excellent mortar adhesion properties
- Low permeability to harmful gases
- Contains no pitch or plasticisers

**VISQUEEN**  
BUILDING PRODUCTS



Width (mm)	Length (m)	m <sup>2</sup> /Roll
450	8	3.6
600	8	4.8
1000	8	8

Sand finished surface

## ■ Toughsheet Polythene DPC



Polythene DPC which conforms to BS6515, providing a cost effective and durable DPC.

Width (mm)	Length (m)	m <sup>2</sup> /Roll
100	30	3
150	30	4.5
225	30	6.75
300	30	9
450	30	13.5
600	30	18
900	30	27

**toughsheet**   
BUILDING PRODUCTS

## ■ DPC Accessories

### ■ DPC Fixing Strip



Sizes (mm)	Pack Qty
25 x 3 x 2000	20

### ■ DPC Fixing Pins



#### Sizes

Firtree fixings (for insulation)
6 x 40mm
Plastic DPC fixings pins

### ■ DPC Jointing Tape



#### Sizes

100mm x 15m
100mm x 10m
50mm x 10m

**VISQUEEN**  
BUILDING PRODUCTS

Nationwide Depots

## ■ ARC DPC Products

### ■ Party Wall DPC

#### Key Features

- Up to 4 hours fire integrity
- Suitable for cavities up to 300mm
- Complies to Robust Detail, Part E and NHBC standards
- Designed to be fitted as brickwork progresses
- Also available for horizontal applications
- Designed to be friction fitted
- Excellent acoustic properties



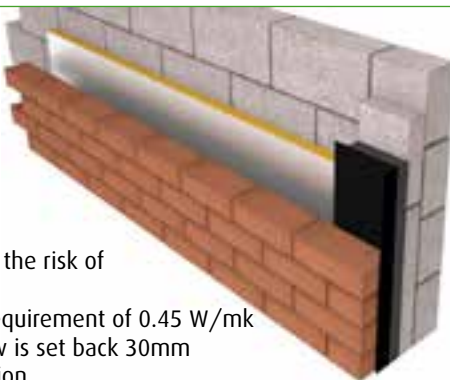
#### Sizes

75 x 260/340 x 1200mm, 8 per pack (75mm cavity)
100 x 260/340 x 1200mm, 6 per pack (100mm cavity)
125 x 260/340 x 1200mm, 4 per pack (125mm cavity)
150 x 260/340 x 1200mm, 4 per pack (150mm cavity)
340mm DPC width

### ■ Insulated DPC

#### Key Features

- Closes off cavities around window and door openings with cut blocks
- Easy to install
- Significantly reduces the risk of cold bridging
- Exceeds minimum requirement of 0.45 W/mk provided the window is set back 30mm
- Polyethylene insulation



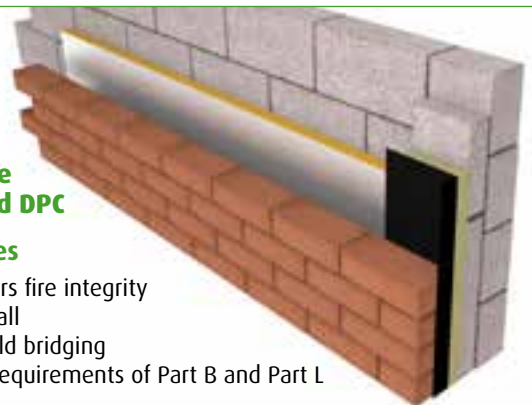
#### Sizes

17 x 100/165mm x 10m coil, 6 per pack
17 x 140/225mm x 10m coil, 5 per pack
Non standard sizes available on request

### ■ Rockfibre Insulated DPC

#### Key Features

- Up to 4 hours fire integrity
- Easy to install
- Prevents cold bridging
- Meets the requirements of Part B and Part L



#### Sizes

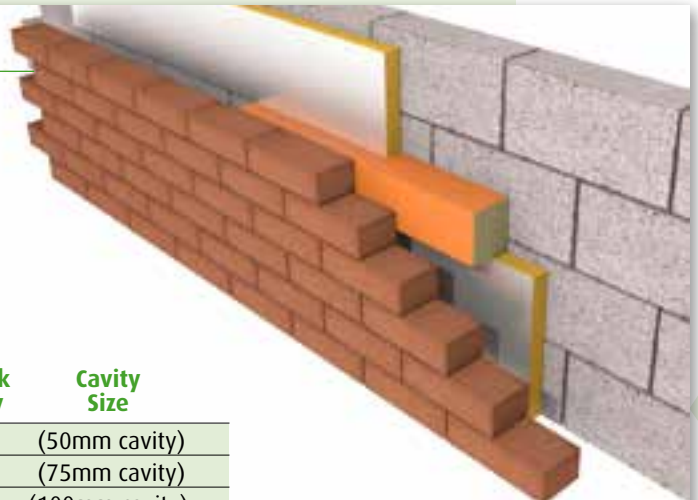
35 x 100/165 x 1200mm, 50 per pack
45 x 100/165 x 1200mm, 40 per pack
55 x 100/165 x 1200mm, 40 per pack
65 x 100/165 x 1200mm, 30 per pack

\*Also available in 140mm

## ■ ARC Cavity Stop Socks & TCBs

#### Key Features

- Polythene encapsulated rockfibre cavity fire barrier
- Up to 4 hours fire integrity for masonry construction
- 1 hour fire integrity for timber frame
- Suitable for cavities up to 300mm
- Complies to Robust Detail Part E and Building Regulations
- Designed for a compression fit
- Excellent acoustic properties

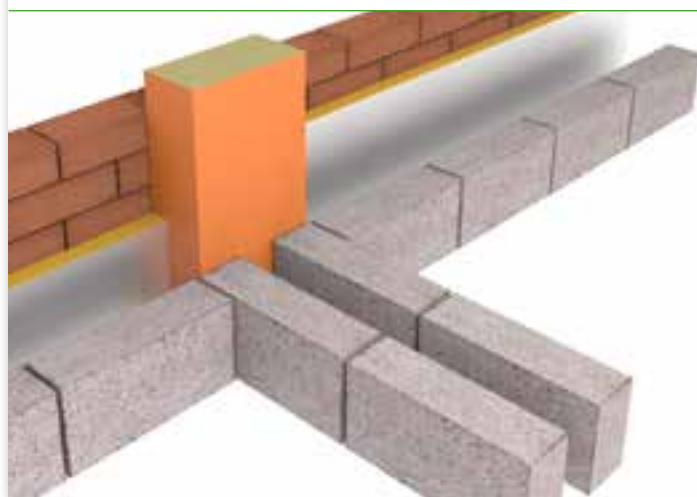


Sizes (mm)	Pack Qty	Cavity Size
65 x 65 x 1200	40	(50mm cavity)
90 x 75 x 1200	35	(75mm cavity)
120 x 100 x 1200	20	(100mm cavity)
135 x 120 x 1200	15	(125mm cavity)
160 x 120 x 1200	12	(150mm cavity)

Non standard sizes available on request



## ■ ARC Party Wall Cavity Stop Sock



### Key Features

- Up to 4 hours fire integrity for masonry construction
- 1 hour fire integrity for timber frame
- Suitable for cavities up to 300mm
- Complies to Robust Detail Part E and Building Regulations
- Excellent acoustic properties

Sizes (mm)	Pack Qty	Cavity Size
80 x 250 x 1200	10	(75mm cavity)
105 x 250 x 1200	8	(100mm cavity)
130 x 250 x 1200	6	(125mm cavity)
155 x 250 x 1200	6	(150mm cavity)
205 x 250 x 1200	4	(200mm cavity)



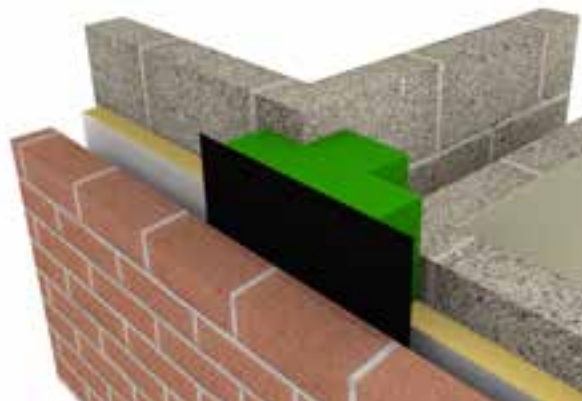
## ■ ARC T-Barrier

### Key Features

- Minimises thermal bypass
- Creates an effective edge seal around the party wall cavity
- Zero U-value at party wall junction can be achieved
- Available to suit masonry or timber frame applications



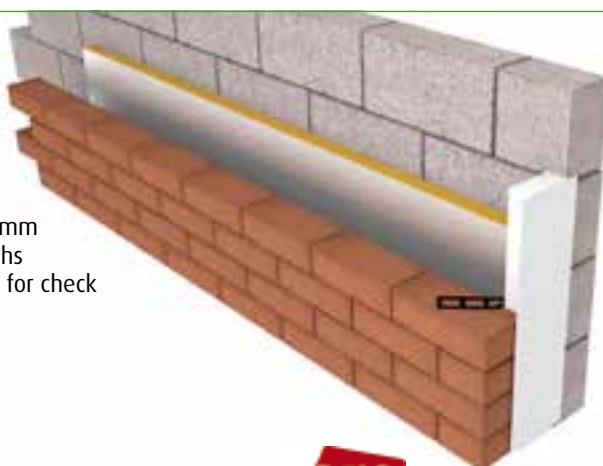
Sizes (mm)	Pack Qty	Party Wall Cavity Size	External Cavity Size
85/100 x 250 x 1200	6	(75mm cavity)	(100mm cavity)
85/120 x 250 x 1200	6	(75mm cavity)	(120mm cavity)
85/125 x 250 x 1200	6	(75mm cavity)	(125mm cavity)
85/150 x 250 x 1200	3	(75mm cavity)	(150mm cavity)
110/110 x 250 x 1200	6	(100mm cavity)	(100mm cavity)
110/120 x 250 x 1200	4	(100mm cavity)	(120mm cavity)
110/125 x 250 x 1200	4	(100mm cavity)	(125mm cavity)
110/150 x 250 x 1200	3	(100mm cavity)	(150mm cavity)



## ■ ARC Smart Closer

### Key Features

- Closes off cavities around window and door reveals
- Prevents cold bridging
- Available for cavity widths from 50 to 300mm
- Supplied in 2.4m lengths
- Single flange available for check reveal details



Sizes (mm)	Pack Qty	Cavity Size
50 x 2400	8	(50mm cavity)
75 x 2400	8	(75mm cavity)
100 x 2400	8	(100mm cavity)
125 x 2400	6	(125mm cavity)
150 x 2400	6	(150mm cavity)

Non standard sizes available on request

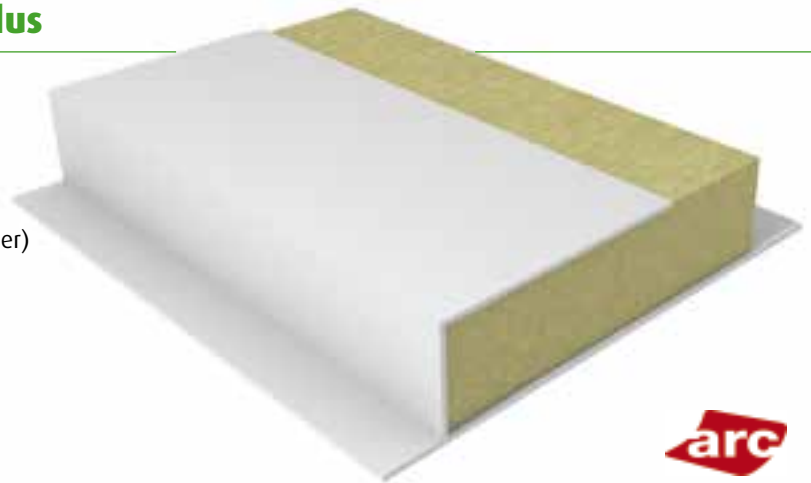
ARC Brick Ties available to suit in bags of 100

# Nationwide Depots

## ■ ARC Eco-Closer and Eco-Closer Plus

### Key Features

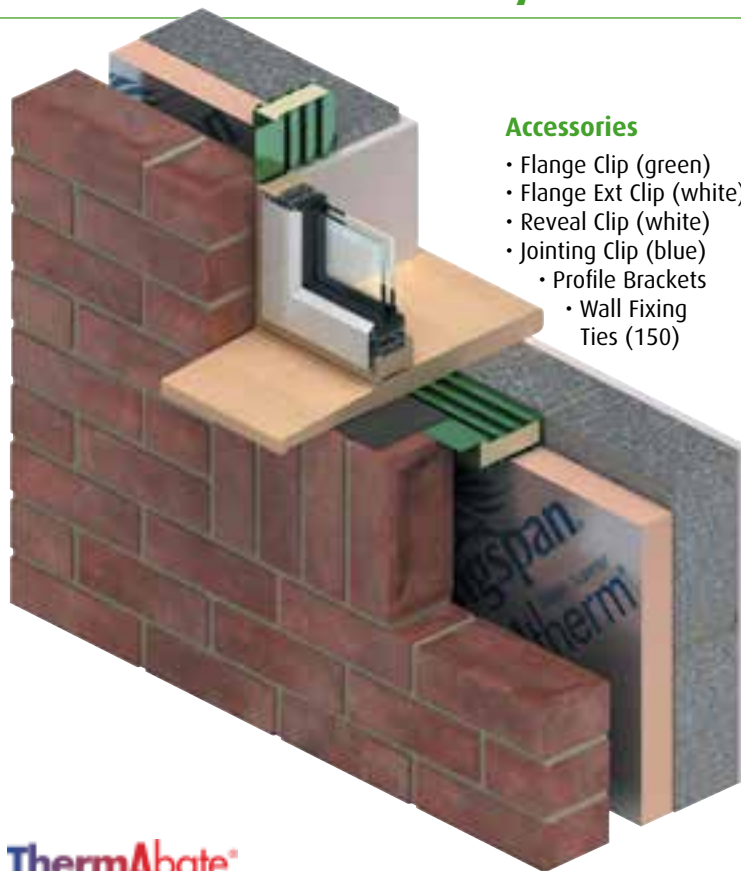
- Up to 1 hour fire integrity
- Closes off cavities around window and door reveals
- Prevents cold bridging
- Insulated with foil faced non-combustible rockfibre
- Available for cavity widths from 50 to 150mm (Eco-Closer) and 175mm to 300mm (Eco-Closer Plus)
- Plastic profile acts as DPC



Eco-Closer		
Sizes (mm)	Pack Qty	Cavity Size
50 x 2400	8	(50mm cavity)
65 x 2400	8	(65mm cavity)
75 x 2400	8	(75mm cavity)
85 x 2400	8	(85mm cavity)
90 x 2400	8	(90mm cavity)
95 x 2400	8	(95mm cavity)
100 x 2400	8	(100mm cavity)
110 x 2400	6	(110mm cavity)
125 x 2400	6	(125mm cavity)
135 x 2400	6	(135mm cavity)
150 x 2400	6	(150mm cavity)
As above but single flange for check reveal	As above	(50mm - 150mm cavity)

Eco-Closer Plus		
Sizes (mm)	Pack Qty	Cavity Size
175 x 2400	3	(175mm cavity)
200 x 2400	3	(200mm cavity)
225 x 2400	2	(225mm cavity)
250 x 2400	2	(250mm cavity)
275 x 2400	1	(275mm cavity)
300 x 2400	1	(300mm cavity)
As above but single flange for check reveal	As above	(175mm - 300mm cavity)

## ■ Thermabate Insulated Cavity Closers



### Accessories

- Flange Clip (green)
- Flange Ext Clip (white)
- Reveal Clip (white)
- Jointing Clip (blue)
- Profile Brackets
- Wall Fixing Ties (150)

Thermabate provides a simple and efficient method of closing cavities around openings in masonry walls. The insulating foam core prevents thermal bridging, while the PVC-U box section forms a positive damp proof barrier and key for the direct application of plaster.

It effectively prevents condensation, pattern staining and mould growth frequently associated with traditional methods of closing cavities. Thermabates closes the cavities and avoids problems encountered when supporting traditional dpc's and insulation boards during construction.

### Key Features

- Continuous insulation
- Reduced heat loss
- Weather resistant
- BBA Certificate No. 91/2648

Length (mm)	Width (m)	T (mm)	Colour
3000	210	50	brown
3000	210	65	black
3000	210	75	white
3000	210	85	yellow
3000	210	90	orange
3000	210	100	green

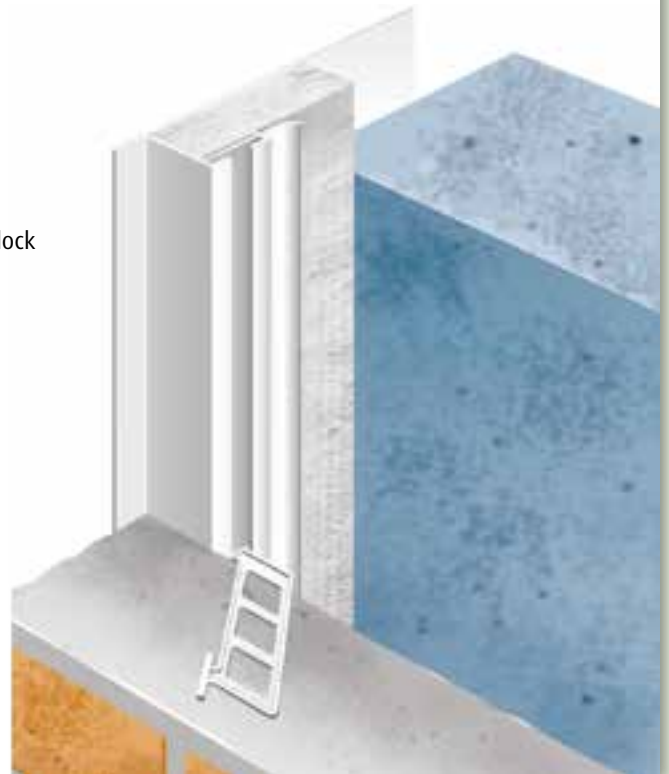
## ■ Timloc Thermo-loc EPS Cavity-Closer

### Key Features

- Provides an effective DPC and thermal barrier between frame, inner and outer wall leaf
- Exceeds the minimum thermal resistance path of 0.45m<sup>2</sup>K/W stipulated in Robust Details 'limited thermal bridging and air leakage'
- Rigid profile extrusion
- Integrated and flexible water strip to reduce air leakage
- Simple on-site trimming to cope with 'rogue' cavity widths
- Can be built in with PVC ties as brickwork progresses or simply nail to block
- BBA Approved

### Sizes

2.4m lengths
50 - 100mm, 5 lengths per pack
100mm+ cavities available



## ■ Timloc Everdry Cavity Tray



Timloc Everdry adjustable stepped cavity trays for brickwork are used for the following applications.

- At the abutment of a pitched roof with a cavity wall
- On external walls – not exceeding 120mm thickness – built from standard brickwork or similar sized components with regular course heights, including mortar of approx. 75mm
- On roof pitches of 25 degrees and above
- Cavity widths of between 50mm – 110mm

### Key Features

- 195mm high back upstand
- Adjustable upstand to cover 50mm – 110mm cavities
- Roof pitch marks on tray upstand to give installation guidance
- Cavity tray builds to outer leaf only to speed up installation and allowing both inner and outer leaves to be built independently if required
- BBA approved



Nationwide Depots



## ■ Rytweep Weep Vent

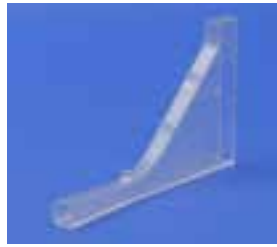
An unobtrusive cavity weep hole duct. Virtually unseen when installed, showing only the small weep outlet.

### Key Features

- Simple design for quick and easy fitting with no special brickwork required
- Flush face
- Lugs aid mortar adhesion for efficient installation
- BBA approved



### ■ Weep Vent



#### Sizes

101 x 66 x 10mm

#### Colours

Clear, Terracotta and Buff/Sand

#### Units per box

200

### ■ Tube



#### Advantages

- Extension for Rytweep and to allow rendering
- Flush face
- Cut to required size

#### Sizes

500 x 6mm

## ■ Airflow Dual Weep Vent



#### Units per box

50

#### Colours

Black, Brown, Buff, Terracotta, Clear, Grey and White

## ■ Timloc Weep Vents

### ■ Tunnel Weep Vent



Pack sizes 50 per pack

### ■ Cavity Wall Weep Vent Type 1143



#### Colours

Buff, Cream, Terracotta, White, Grey and Black

## ■ Timloc Underfloor & Through Wall Venting

High performance venting may be used instead of a conventional airbrick.

### Key Features

- Telescopic Under Floor Vent
- Cavity Sleeve
- Horizontal Front Extension
- Vertical Extension Piece
- Duct Adapter
- Horizontal Rear Extension



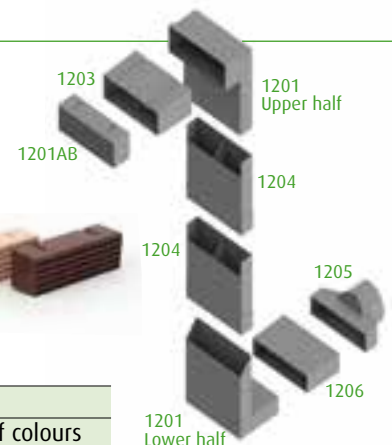
Available with a range of attachments



#### Sizes (Air Brick)

69 x 215 x 60mm

Available in a range of colours



## ■ Vista Housing Ties (Masonry/Masonry)

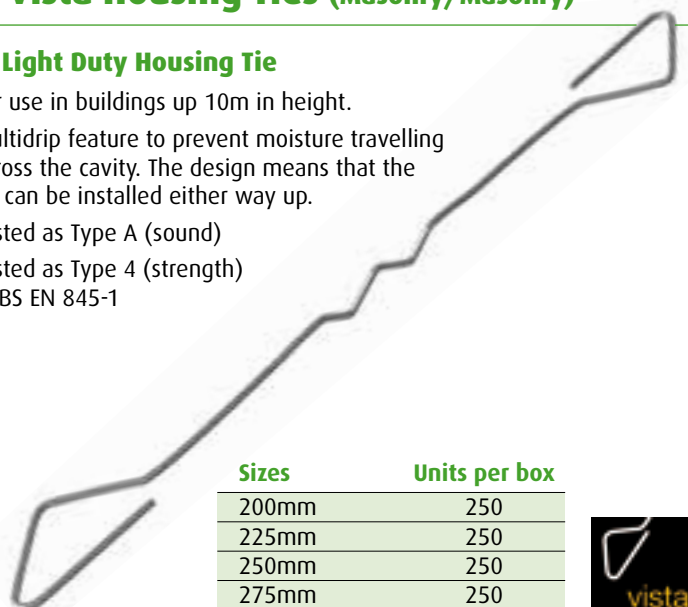
### ■ Light Duty Housing Tie

For use in buildings up to 10m in height.

Multidrip feature to prevent moisture travelling across the cavity. The design means that the tie can be installed either way up.

Tested as Type A (sound)

Tested as Type 4 (strength)  
to BS EN 845-1



Sizes	Units per box
200mm	250
225mm	250
250mm	250
275mm	250

### ■ General Purpose Wall Tie

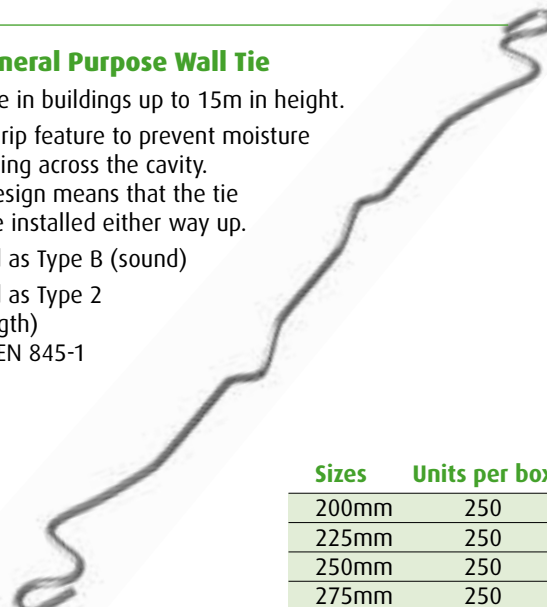
For use in buildings up to 15m in height.

Multidrip feature to prevent moisture travelling across the cavity.

The design means that the tie can be installed either way up.

Tested as Type B (sound)

Tested as Type 2  
(strength)  
to BS EN 845-1



Sizes	Units per box
200mm	250
225mm	250
250mm	250
275mm	250

## ■ Vista Heavy Duty Tie (Masonry/Masonry)



Sizes	Units per box
200mm	250
225mm	250
250mm	250
275mm	250
300mm	250

### ■ VST1 – Type 1 Heavy Duty Tie

This tie has a multidrip feature to prevent moisture travelling across the cavity. A great feature of its design means that the tie can be installed either way up. For use in any height building.

Tested as Type B (sound) and Tested as Type 1 (strength) to BS EN 845-1

## ■ Vista Timber Frame Tie (Timber/Masonry)

### ■ Timber Frame Tie

Stainless Steel masonry-timber tie for 50-100mm cavities in timber frame buildings.

Accommodates vertical movement.

Tested as type B (sound).

Tested as type 6 (strength) to BS EN 845-1.

Supplied complete with 50mm x 3.35mm  
Stainless Steel Annular Ring Nails.



Size (mm)	Units	Per
125 (50 cavity)	250	Box
150 (75 cavity)	250	Box
175 (100 cavity)	250	Box

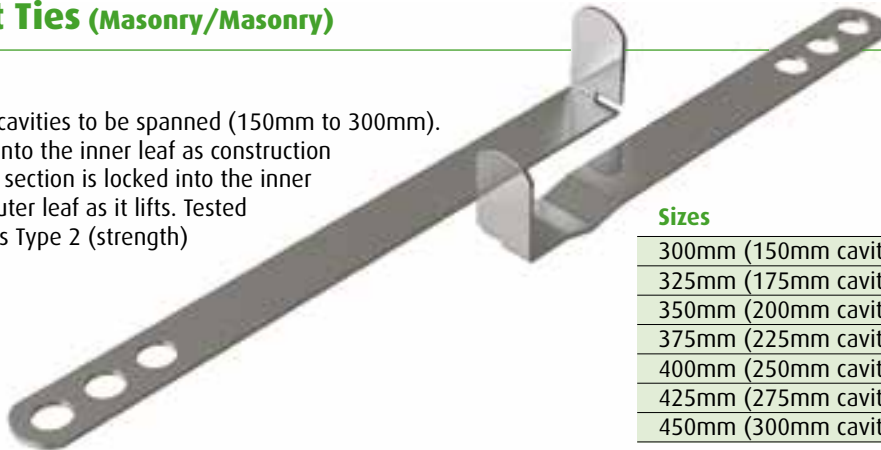
Nationwide Depots



## ■ Vista Two Part Ties (Masonry/Masonry)

### ■ TPT - Two Part Tie

Two part ties allows larger cavities to be spanned (150mm to 300mm). The shorter section is built into the inner leaf as construction proceeds, whilst the longer section is locked into the inner section and built into the outer leaf as it lifts. Tested as Type B (sound). Tested as Type 2 (strength) to BS EN 845-1.



Sizes	Units per box
300mm (150mm cavity)	200
325mm (175mm cavity)	200
350mm (200mm cavity)	200
375mm (225mm cavity)	100
400mm (250mm cavity)	100
425mm (275mm cavity)	100
450mm (300mm cavity)	100

## ■ Vista Frame Cramps (Masonry/Steel or Concrete)

### ■ VE7 - Frame Cramp

Frame cramp for restraining masonry to new or existing structures and for building in non-structural elements (frames etc).



Available with a slotted upstand

Sizes	Units per box
75mm	250
100mm	250
125mm	250
150mm	250
175mm	250
200mm	250
225mm	200
250mm	200
275mm	200
300mm	200

### ■ VE7D - Frame Cramp with a Drip

Frame cramp supplied with a drip to prevent moisture crossing the cavity. Drip position 90mm from safety end as standard.



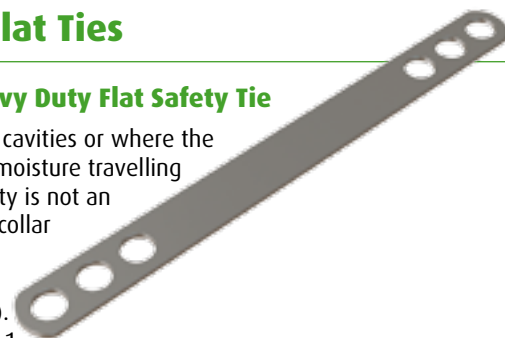
Available with a slotted upstand

Sizes	Units per box
125mm	250
150mm	250
175mm	250
200mm	250
225mm	200
250mm	200
275mm	200
300mm	200

## ■ Vista Flat Ties

### ■ VS4 - Heavy Duty Flat Safety Tie

Used in full fill cavities or where the prevention of moisture travelling across the cavity is not an issue. Also for collar jointed walls. Tested as Type B (sound). Tested as Type 1 (strength) to BS EN 845-1.



Sizes	Units per box
150mm	250
175mm	250
200mm	250
225mm	250
250mm	250
275mm	200
300mm	200

## ■ Vista Flat Ties

### ■ SPE - Safety Plain End Tie

Used over a movement joint in a run of brickwork or blockwork with safety embedment detail or plain end.



B20 Sleeve supplied as extra

Sizes	Units per box
150mm	250
175mm	250
200mm	250
225mm	250
250mm	250
275mm	200
300mm	200

## ■ Vista Channel Ties

### ■ VS9 – Channel Tie

Used with 25/14 stainless steel channel, it is supplied with a drip to stop moisture travelling across the cavity.



Sizes	Units per box
75mm	250
100mm	250
125mm	250
150mm	250
175mm	250
200mm	250
225mm	250
250mm	250
275mm	200
300mm	200

## ■ Miers 25/14 Brick Tie Channel

### Key Features

- BS EN 845 Channel
- CE Certified
- Meets NHBC Requirements
- Exceeds Type 3 Capacity
- Grade 304 Stainless Steel

### Technical Data

Miers 25/14 Brick Tie Channel is designed for tying a masonry panel back to steel studding posts. The channel is fixed back to the studding using self-drilling/tapping screws fixed through the channel and insulation material, into the steel studding.

The channel is supplied with pre-punched holes at close centres to allow cutting on site and has a 16mm opening to accommodate a drive socket for the fixing screws. Supplied in lengths of 2.7m.

Once fixed, a range of differing tie lengths can be positioned at any point along the channel to suit the coursing of the masonry panel.

### Tie Spacing

The tie spacing is based on the channel being fixed at 600mm horizontal centres with a nominal wind speed <25m/s within a town or city following the guidance of design code BS 6399-2:1997.



### Miers 25/14 Brick Tie Channel Load Capacities

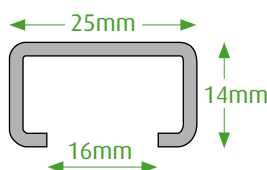
Miers 25/14 Brick Tie Channel (supplied in lengths of 2.7m) is designed to fix to the studwork at 450mm vertical centres. The pre-punched holes in the rear of the channel are spaced at 112.5mm so a fixing can always be positioned near the end of the channel. Self-tapping screws can be supplied to accommodate for fixing through insulation board of up to 110mm.

Miers can supply either stainless steel or galvanised screws for fixing the channel back to the structure.

The opening in the channel will readily accept a standard drive socket and fixing.



Altitude & distance from the coast	Vertical tie spacing for given height of brickwork		
	15m	25m	40m
Up to 150m - at least 60km from coast)	450mm	225mm	225mm
Up to 25m - at least 50km from coast)	450mm	300mm	225mm



Fixing centres	Available load
150mm	0.50kN
200mm	0.50kN
300mm	0.50kN
455mm	0.37kN
600mm	0.28kN

# Nationwide Depots

## ■ Vista Neutras Wall Ties (Masonry/Masonry)



Description	Length	Units per box
Neutras 4-200	75mm (Max. 10m high)	250
Neutras 4-225	100mm	250
Neutras 4-250	125mm	250
Neutras 4-275	150mm	250
Neutras 4-300	175mm	250
Neutras 2-200	75mm (Max. 15m high)	250
Neutras 2-225	100mm	250
Neutras 2-250	125mm	250
Neutras 2-275	150mm	250
Neutras 2-300	175mm	250
Neutras 2-325	200mm	100
Neutras 2-350	225mm	100
Neutras 2-375	250mm	100
Neutras 2-400	275mm	100
Neutras 2-425	300mm	100
Neutras 1-200	75mm (Max. 18m high)	250
Neutras 1-225	100mm	250
Neutras 1-250	125mm	250
Neutras 1-275	150mm	250



## ■ Low Thermal Conductivity Wall Ties

Neutras ties are an adaptable substitute for traditional steel ties. Wall ties crossing a cavity act as a thermal bridge, Neutras wall ties have both low thermal conductivity and high structural performance levels. This means they can be excluded from the current U value calculations in EN ISO 6946 and provide a credible solution to new legislation requirements.



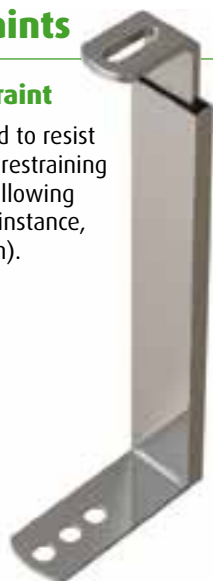
## Key Features

- High specific tensile strength 4-6 times higher than stainless steel
- Excellent corrosion resistance (never rusts)
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless steel
- High compressive strength compared to conventional FRP materials
- Non-magnetic and electrically non-conductive
- Meets technical requirements of NHBC

## ■ Vista Head Restraints

### ■ VIR – Internal Head Restraint

The VIR head restraint is designed to resist lateral movement in wall heads, restraining them to structural soffits whilst allowing vertical movement (in order, for instance, to accommodate beam deflection).



### ■ VHR – Head Restraint



The VHR is a very simple, economical head restraint product. Twice holed to accommodate 100 or 140mm walls. Vertical movement can be accommodated only by allowing clearance between the top of the blockwork panel and the underside of the restraint angle. Can also be manufactured to fit 215mm blockwork.

## ■ Vista Sliding Anchor Systems

### ■ WAS – Welded A Stem

Soffit fixed both sides where fixings can be made directly above. Heavy Duty.



### ■ WTS – Welded T Stem

Soffit fixed both sides where fixings can be made directly above. Heavy Duty.



### ■ WBS – Welded B Stem

Offset head where there is no fixing directly above. Heavy Duty.



### ■ WES – Welded E Stem

Fixed to the side of structure and offset to drop down centre of cavity. Heavy Duty.



### ■ BCS – Bent C Stem

Used as a soffit fixed head restraint. Light Duty, fixed in line with cavity below.



### How to order Vista sliding anchor systems

- Choose correct Vista reference
- Confirm dimensions i.e. head and leg dimensions
- Confirm method of fixing, size and position of holes
- Confirm type of tie and length required

Nationwide Depots



## ■ Vista Sliding Anchor Systems

### ■ TDS – Twisted D Stem

Used as a soffit fixed head restraint. Light Duty, twisted head allows for fixing a right angle to cavity.



### ■ TFS – Twisted F Stem

Used as a side fixed head restraint. Light Duty, and stepped to bring into centre of cavity.



### ■ SOW – One Way Tie

Sliding one way ties used in conjunction with the sliding anchor stems. This tie only 'catches' either the inner or the outer wall. Sizes are measured from the centre of the slot.



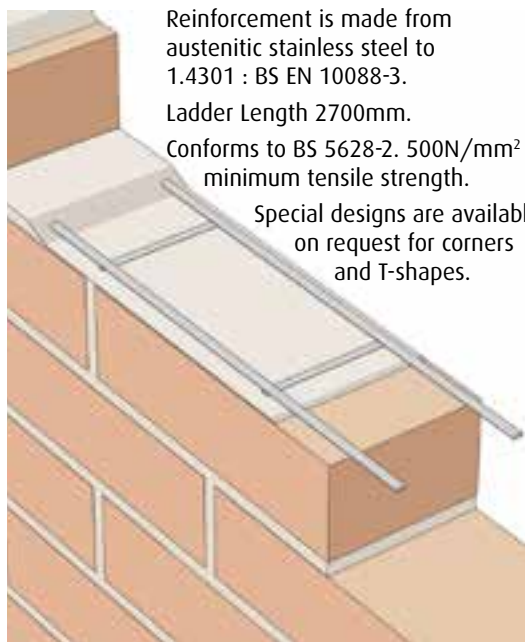
### ■ STW – Two Way Tie

Sliding two way ties used in conjunction with the sliding anchor stems. This tie 'catches' both the inner or the outer wall. Sizes are measured as the overall length of the tie.





## ■ Bekaert Wire Ladder (for structural applications)



Reinforcement is made from austenitic stainless steel to 1.4301 : BS EN 10088-3.

Ladder Length 2700mm.

Conforms to BS 5628-2. 500N/mm<sup>2</sup> minimum tensile strength.

Special designs are available on request for corners and T-shapes.

Overlap ends 225mm

Also available in Galvanised steel, use prefix GBF

Galvanised steel in pack quantities of 25



Reference	Type	Round Wire Diameter (mm)	Ladder Width (mm)	Wall Width (mm)	Qty
SBF30W60	Single Leaf	3	60	100	20
SBF30W100	Single Leaf	3	100	140/150	20
SBF30W150	Single Leaf	3	150	190/200	20
SBF30W175	Single Leaf	3	175	215	20
SBF35W60	Single Leaf	3.5	60	100	20
SBF35W100	Single Leaf	3.5	100	140/150	20
SBF35W150	Single Leaf	3.5	150	190/200	20
SBF35W175	Single Leaf	3.5	175	215	20
SBF40W60	Single Leaf	4	60	100	20
SBF40W100	Single Leaf	4	100	140/150	20
SBF40W150	Single Leaf	4	150	190/200	20
SBF40W175	Single Leaf	4	175	215	20
SBF45W60	Single Leaf	4.5	60	100	20
SBF45W100	Single Leaf	4.5	100	140/150	20
SBF45W150	Single Leaf	4.5	150	190/200	20
SBF45W175	Single Leaf	4.5	175	215	20
SBF50W60	Single Leaf	5	60	100	20
SBF50W100	Single Leaf	5	100	140/150	20
SBF50W150	Single Leaf	5	150	190/200	20
SBF50W175	Single Leaf	5	175	215	20

## ■ Exmet Reinforcement (for non-structural applications)



Stainless steel Exmet is manufactured from austenitic stainless steel 1.4301 to BS EN 10088-1. Coil length 20cm.

Expanded steel mesh with no joints or interweaving to fail under stress.

Overlap ends 75mm

Also available in Galvanised steel

Reference	Material Thickness (mm)	Coil Size Width (mm)	Wall Width (mm)	Qty
76820	0.3	65	100	5
76920	0.3	115	140	5
77020	0.3	175	225	1
77120	0.3	225	265	1

## ■ Bekaert Murfor® Reinforcement



### ■ Murfor® Compact E

Murfor® Compact E masonry reinforcement consists of steel cord mesh and interwoven fiberglass roving. There are two types of Murfor® Compact E.



### ■ Murfor® Compact I

Murfor® Compact I masonry reinforcement consists of steel cord mesh and interwoven fiberglass roving. There are two types of Murfor® Compact I.

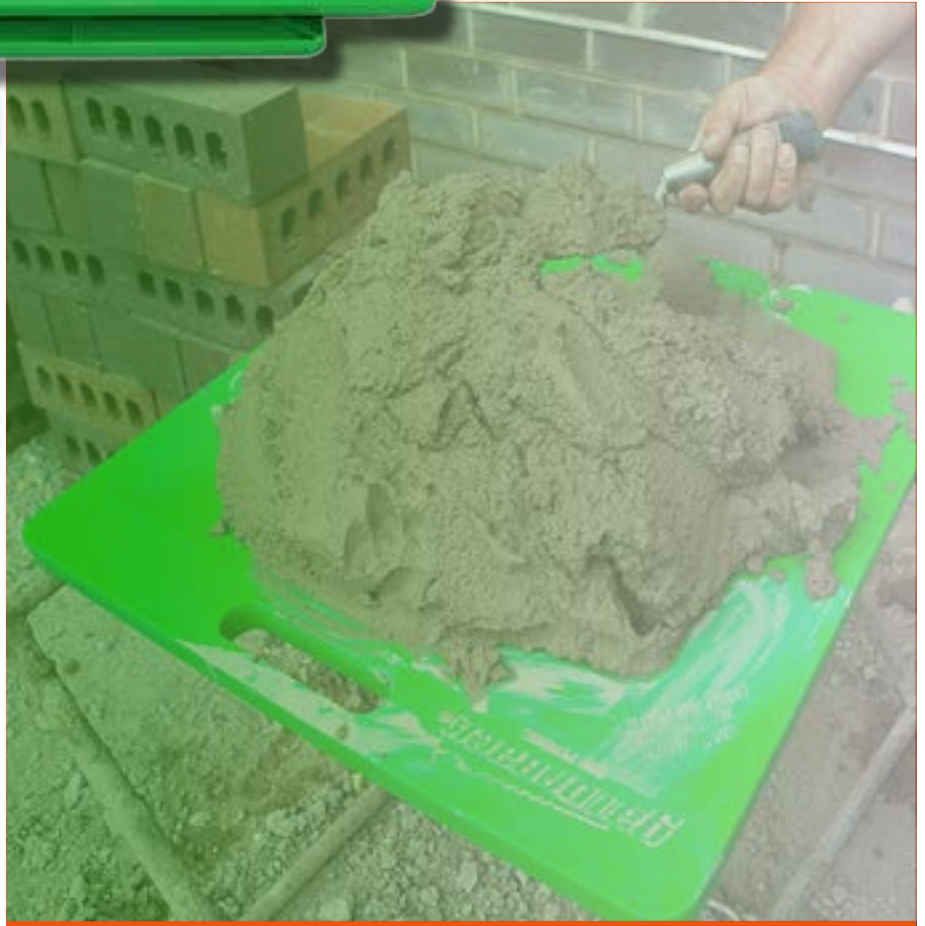
# Nationwide Depots

# Gatorback Mortarboards



## Advantages

- Does not suck water from mortar
- Extends the working life of mortar
- Concave surface keeps re-tempering water on the board
- Indestructible in normal use
- Lightweight to carry with integral handle
- No trowel snags
- Reinforcement ribbing allows for large loads of material with minimum flexing
- Improves productivity



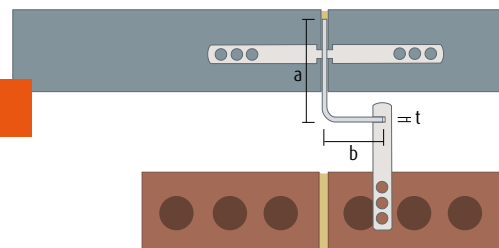
**gatorback**

Nationwide Depots

## ■ Miers Windposts - Standard and special windposts for brick or blockwork

A range of standard and special windposts that span between floors to provide lateral support to brick or blockwork.

### ■ Angle Section Windpost (MWP1)

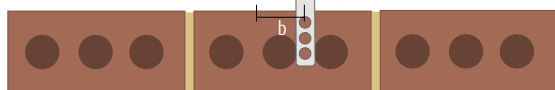


CE

304 or 316  
stainless steel  
complying with  
BS EN 1088

Product Reference	Size (mm) a x b x t	Factored load capacity per post as a UDL per span length							
		2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
MWP1	125 x 70 x 4	9.69	7.25	5.57	4.38	3.50	2.86	2.37	2.00
MWP1	140 x 70 x 4	12.14	9.54	7.41	5.87	4.73	3.88	3.23	2.72
MWP1	170 x 70 x 4	17.50	14.59	11.88	9.57	7.82	6.47	5.42	4.59
MWP1	130 x 70 x 5	12.91	10.02	7.76	6.14	4.94	4.04	3.36	2.83
MWP1	140 x 70 x 5	14.87	12.18	9.54	7.61	6.17	5.07	4.23	3.58
MWP1	150 x 70 x 5	16.95	14.13	11.38	9.14	7.46	6.16	5.16	4.37
MWP1	130 x 70 x 6	14.76	11.01	8.43	6.61	5.28	4.30	3.57	3.01
MWP1	140 x 70 x 6	16.68	12.38	9.45	7.38	5.89	4.80	3.98	3.35
MWP1	150 x 80 x 6	20.49	16.86	13.22	10.56	8.56	7.04	5.88	4.97
MWP1	160 x 70 x 6	22.58	18.82	15.22	12.25	10.00	8.26	6.92	5.86
MWP1	160 x 70 x 8	<b>27.13</b>	24.19	20.11	16.24	13.32	11.05	9.27	7.87
MWP1	180 x 80 x 8	<b>27.13</b>	26.94	20.83	16.43	13.21	10.80	8.97	7.56
MWP1	200 x 80 x 8	<b>27.13</b>	<b>32.07</b>	32.76	26.80	22.10	18.43	15.54	13.23

### ■ Channel Section Windpost (MWP2)



CE

304 or 316  
stainless steel  
complying with  
BS EN 1088

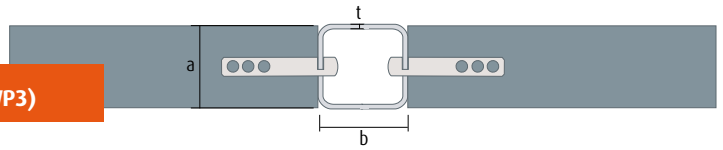
Product Reference	Size (mm) a x b x t	Factored load capacity per post as a UDL per span length							
		2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
MWP2	65 x 60 x 4	4.78	3.33	2.45	1.88	-	-	-	-
MWP2	75 x 60 x 4	6.52	4.55	3.35	2.57	2.03	-	-	-
MWP2	85 x 60 x 4	8.76	6.16	4.55	3.49	2.76	2.23	1.85	-
MWP2	75 x 60 x 5	7.83	5.47	4.03	3.09	2.44	1.97	-	-
MWP2	85 x 60 x 5	10.43	7.32	5.40	4.14	3.27	2.65	2.19	1.84
MWP2	95 x 60 x 5	13.19	9.32	6.90	5.29	4.19	3.39	2.81	2.36
MWP2	105 x 60 x 5	<b>16.50</b>	11.86	8.83	6.80	5.39	4.37	3.61	3.04
MWP2	105 x 60 x 6	<b>16.50</b>	13.66	10.14	7.80	6.18	5.01	4.14	3.48
MWP2	115 x 60 x 6	<b>16.50</b>	16.56	12.37	9.54	7.57	6.13	5.08	4.27



Nationwide Depots

## ■ Miers Windposts - standard and special windposts for brick or blockwork

### ■ Box Section Windpost (MWP3)

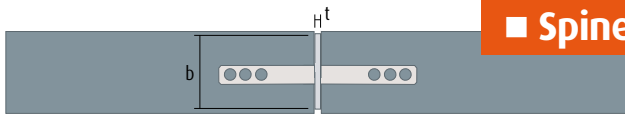


Product Reference	Size (mm) a x b x t	Factored load capacity per post as a UDL per span length							
		2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
MWP3	60 x 60 x 4	4.23	2.94	2.16	-	-	-	-	-
MWP3	80 x 60 x 4	8.54	5.98	4.41	3.38	2.67	2.16	-	-
MWP3	100 x 100 x 6	<b>16.50</b>	<b>19.50</b>	15.43	11.86	9.38	7.60	6.29	5.28
MWP3	120 x 120 x 8	<b>16.50</b>	<b>19.50</b>	<b>22.50</b>	<b>25.50</b>	20.84	16.90	13.99	11.76

CE

304 or 316 stainless steel complying with BS EN 1088

### ■ Spine Section Windpost (MWP4)



Product Reference	Size (mm) b x t	Factored load capacity per post as a UDL per span length							
		2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
MWP4	95 x 8	5.68	4.02	2.97	2.28	-	-	-	-
MWP4	105 x 8	7.55	5.38	4.00	3.07	2.43	1.97	-	-
MWP4	115 x 8	9.71	6.99	5.22	4.03	3.19	2.59	2.14	-
MWP4	125 x 8	12.17	8.86	6.66	5.15	4.09	3.32	2.75	2.31

CE

304 or 316 stainless steel complying with BS EN 1088

### ■ Windpost Ties

A range of one and two way ties are available to suit Miers Construction Products Windposts.

### ■ Fixings

Fixings can be: Concrete to concrete and Concrete to steel.

All windposts are supplied complete with ties and top and bottom fixings.



#### PLEASE NOTE:

Tables are based on type 1 wall ties at 225mm c/c with no vertical movement joint.

Angles are taken to have ties on each leg with the long leg restrained by the masonry.

Spine (MWP4) capacities are based on the post being fully restrained by the masonry.

Capacities shown in **bold** are limited by wall tie capacities.

Design is based on stainless steel grade 304.

Deflection is limited to span/360.

## Nationwide Depots



## Miers Windposts - Design sheet

Extra sheets  
available  
from sales

If you would like us to quote or place an order for windposts please complete questions 1-10 below.  
This will enable us to produce accurate quotations or to produce drawings for approval prior to manufacture.

<b>1. Customer</b>		<b>Date</b>	<b>Order number or ref</b>
Site address			
Post Code	Tel	Fax	Email

<b>2. Windpost type required?</b>	 MWP1 <input type="checkbox"/>	 MWP2 <input type="checkbox"/>	 MPW3 <input type="checkbox"/>	 MPW4 <input type="checkbox"/>
	<b>3. Structural Opening X-Y (mm)</b>			
	<b>4a. Section size a x b x t (mm)</b> <b>OR</b> <b>4b. Wind load (KN/m2)</b>			
	<b>Maximum supported panel width</b>			
<b>5. Quantity of windposts to this specification</b>				

<b>6. Top fixing to?</b>		
 Concrete <input type="checkbox"/>	 Steel Beam <input type="checkbox"/> Please state the size of UB and any offset	 Timber Wall Plate <input type="checkbox"/> Please state the size of Wall Plate and any offset
<b>7. Base fixing to?</b>		
 Concrete <input type="checkbox"/>	 Concrete <input type="checkbox"/>	 Steel Beam <input type="checkbox"/> Please state the size of UB and any offset

<b>8. Wall construction inner leaf/block?</b>	<b>9. Slot dimensions from base to first tie position to match coursing. Y-Z (mm)</b>
<b>Cavity width?</b>	<b>10. Please attach available drawings showing section through building if available (tick if drawings attached)</b>
<b>External leaf/brick?</b>	

[sales@miersconstructionproducts.co.uk](mailto:sales@miersconstructionproducts.co.uk)

Nationwide Depots



## ■ Miers Masonry Support Range

The system is designed to meet with the industry's demand for speed of construction. All configurations are available ex-stock, meeting builder's needs.

This system offers a range of bracket sizes to accommodate various cavity widths. It is a fully adjustable system accommodating loads up to 14 kN/m.

### Material

Stainless Steel shelf system and brackets Grade 304 (European grade 1.4307 & 1.4301).

### Key Features

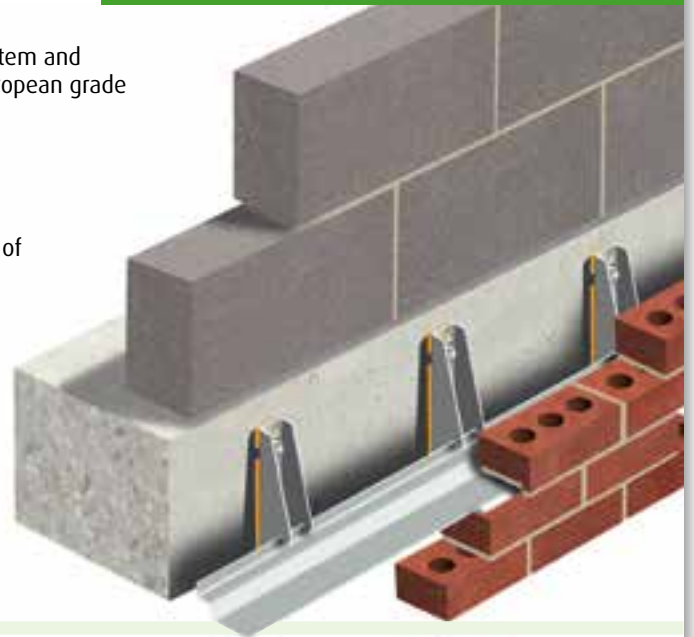
- Available ex-stock
- Easy to specify
- Front loading for ease of installation
- Onsite adjustability
- Speed of installation

### Loading

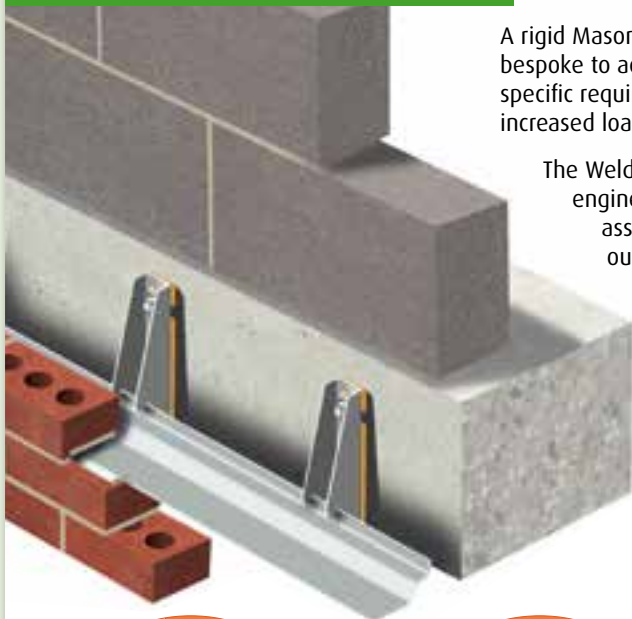
### Specification

Supports unfactored masonry loads up to 14kN per metre.

## ■ Component Shelf System



## ■ Welded Shelf System



A rigid Masonry Support System manufactured bespoke to accommodate projects with very specific requirements; eg. reduced cavity widths or increased loading.

The Welded Shelf Systems are fabricated to engineer specifications and design assistance can be provided by our Technical Team.

A range of brackets are available for the Welded Shelf System, (see below).

### Material

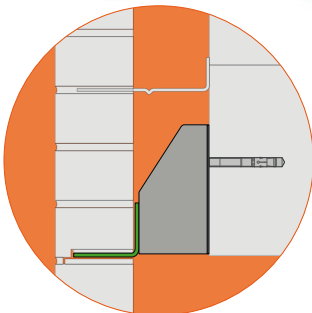
Stainless Steel shelf system and brackets Grade 304 (European grade 1.4307 & 1.4301).

### Key Features

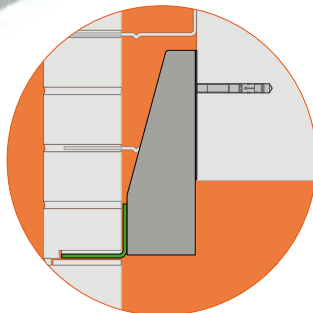
- Extra strength to support extreme loads
- Can be supplied in a variety of configurations
- Onsite adjustability
- Ease of installation

### Loading Specification

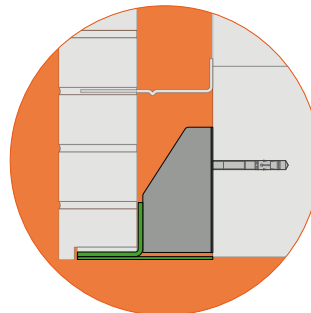
Supports unfactored masonry loads up to and exceeding 14kN per metre.



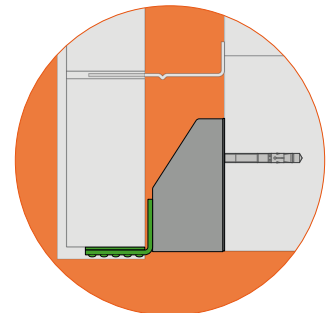
■ Welded Brackets



■ Dropper Brackets



■ Cavity Closer



■ Plaster Key

# Nationwide Depots

## ■ Miers Masonry Support Range

### ■ Brick On Soffit System - Brick slip bolt up system



Our Brick On Soffit System range provides a lighter alternative to concrete, which is faster to install than traditional hanging brick systems.

Installed to a pre-fitted masonry support system, the Brick On Soffit System allows increased adjustability along three axis. Produced offsite, the Brick On Soffit System offers a quicker, lighter, easier and more cost efficient option.

#### **Material**

Stainless Steel, Grade 304 (European grade 1.4307 & 1.4301) BBA approved & 25mm brick slip.

#### **Key Features**

- Simplicity of installation
- No brick cutting required onsite
- Support steelwork is completely hidden
- Adjustability in all planes

#### **Loading Specification**

Masonry shelf above supports imposed loads.

Brick Slip Soffit Panels provide a lightweight pre-fabricated brick slip cladding system; which achieves deep soffits that blend seamlessly with already constructed brickwork onsite.

Produced offsite, this innovative system enables masonry soffits to be assembled with speed and efficiency without the need for specialist installation.

#### **Material**

9mm magnesium board, BBA approved adhesive & 25mm brick slip.

#### **Key Features**

- Achieve deep brick soffit detail
- Fast and easy installation
- Lightweight
- No shuttering required
- Reduced labour – no brick fixing required onsite
- Blends seamlessly with already constructed brickwork
- Various bond patterns can be achieved

### ■ Brick Slip Soffit Panels - Deep soffit areas



### ■ Brick Slip Lintels - window and door openings



BBA approved Brick Slip Lintels can be used over small openings, thus eliminating the need for additional masonry supports.

Supplied in stainless steel, Brick Slip Lintels have the same profile as a standard lintel and are delivered to site as a one-piece unit complete with brick slips attached, eliminating the need for specialist installation onsite.

#### **Material**

Stainless Steel, Grade 304 (European grade 1.4307 & 1.4301) BBA approved adhesive & 25mm brick slip.

#### **Key Features**

- Speed of installation – installed as a standard lintel
- Cost saving
- Available in stainless steel

#### **Loading Specification**

Supports loads over small scale openings – contact our technical team for design requirements.

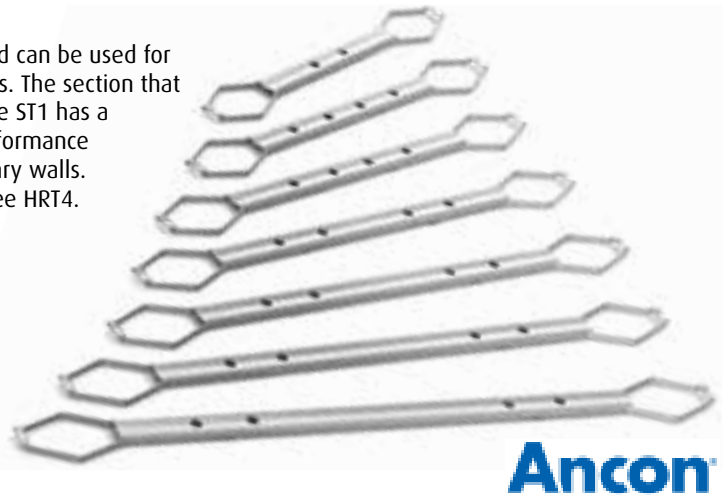
# Nationwide Depots

## ■ Ancon Standard Ties (Masonry Heavy Duty)

### ■ ST1 - Standard Tie

The Ancon ST1 is suitable for cavities from 50mm to 225mm and can be used for all types of buildings of any height, anywhere in the British Isles. The section that spans the cavity has a series of holes to provide water drips. The ST1 has a measured dynamic stiffness of  $<113\text{MN/m}^3$  that meets the performance requirement of Approved Document E for use in external masonry walls. For internal separating walls of new-build attached dwellings see HRT4.

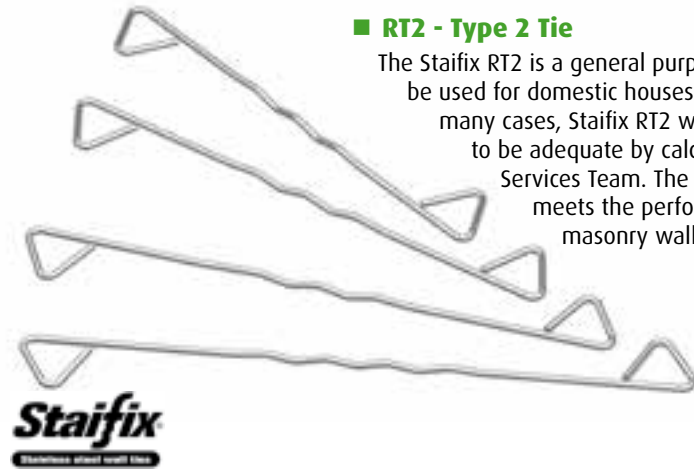
Sizes	Suitable for Cavity Size
200mm	50mm - 75mm
225mm	76mm - 100mm
250mm	101mm - 125mm
275mm	126mm - 150mm
300mm	151mm - 175mm
325mm	176mm - 200mm
350mm	201mm - 225mm



## ■ Ancon Staifix RT2 Ties (Masonry General Purpose)

### ■ RT2 - Type 2 Tie

The Staifix RT2 is a general purpose tie. It is suitable for cavities from 50mm to 150mm and can be used for domestic houses and small commercial buildings up to 15 metres in height. In many cases, Staifix RT2 wall ties can be used in buildings greater than 15 metres if shown to be adequate by calculation. For further information please contact our Technical Services Team. The RT2 has a measured dynamic stiffness of  $<113\text{MN/m}^3$  that meets the performance requirement of Approved Document E for use in external masonry walls.



Sizes	Suitable for Cavity Size
200mm	50mm - 75mm
225mm	76mm - 100mm
250mm	101mm - 125mm
275mm	126mm - 150mm

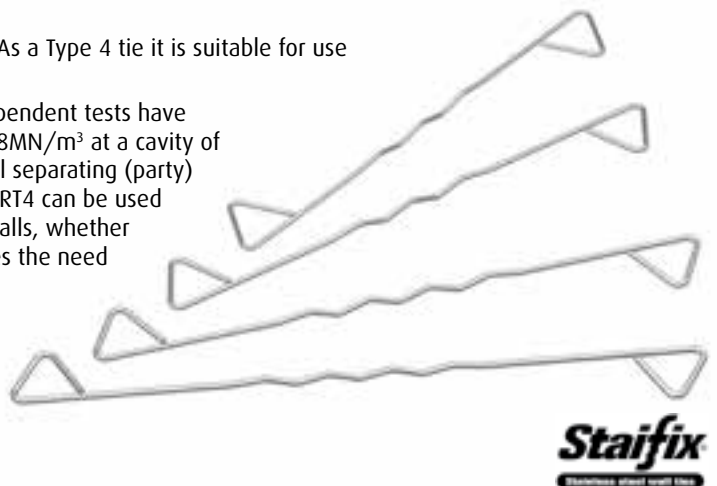
## ■ Ancon Staifix HRT4 Ties (Masonry Light Duty)

### ■ HRT4 - Type A Tie

The Staifix HRT4 is available for cavities from 50mm to 150mm. As a Type 4 tie it is suitable for use in external walls of domestic houses up to 10 metres in height.

The HRT4 is a Type A tie for separating walls of any height. Independent tests have proven the Staifix HRT4 has a measured dynamic stiffness of  $<4.8\text{MN/m}^3$  at a cavity of 50-100mm and 125-150mm and is therefore suitable for internal separating (party) walls of new-build attached dwellings with these cavities. The HRT4 can be used with all approved robust details for cavity masonry separating walls, whether traditional or thin-joint blockwork. Use of these details eliminates the need for pre-completion sound testing.

Sizes	Suitable for Cavity Size
200mm	50mm - 75mm
225mm	76mm - 100mm
250mm	101mm - 125mm
275mm	126mm - 150mm

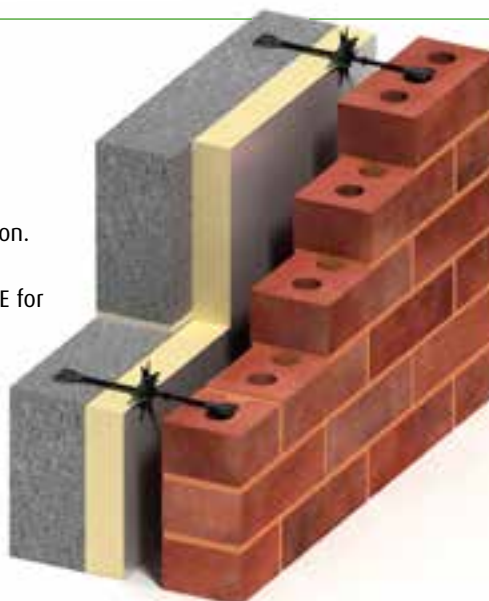


## ■ Ancon Teplo Basalt Fibre Ties

The Ancon Teplo-BF is suitable for cavities from 50mm to 450mm and is manufactured from pultruded basalt fibres. This material has a thermal conductivity of only 0.7W/mK which can be shown in U-value calculations to reduce insulation thickness and wall footprint.

The Ancon Teplo-BF range comprises Teplo-BF1 (Type 1), Teplo-BF2 (Type 2), Teplo-BF3 (Type 3) and Teplo-BF4 (Type 4). Decreasing wall tie centres can increase performance level e.g Type 3 to Type 2. Contact us for more information.

The Ancon Teplo range has BBA approval and can be used in line with NHBC standards. It also meets the performance requirement of Approved Document E for use in external masonry walls. For internal separating walls of new-build attached dwellings use HRT4.



### ■ Teplo - BF1/2/4

Sizes	Suitable for Cavity Size
200mm	50mm - 75mm
225mm	76mm - 100mm
250mm	101mm - 125mm

### ■ Teplo - BF3

Sizes	Suitable for Cavity Size
450mm	301mm - 325mm
475mm	326mm - 350mm
500mm	351mm - 375mm
525mm	376mm - 400mm

### ■ Teplo - BF1/2

Sizes	Suitable for Cavity Size
275mm	126mm - 150mm

### ■ Teplo - BF4

Sizes	Suitable for Cavity Size
550mm	401mm - 425mm
575mm	426mm - 450mm

### ■ Teplo - BF2

Sizes	Suitable for Cavity Size
300mm	151mm - 175mm
325mm	176mm - 200mm
350mm	201mm - 225mm
375mm	226mm - 250mm
400mm	251mm - 275mm
425mm	276mm - 300mm

**Ancon**

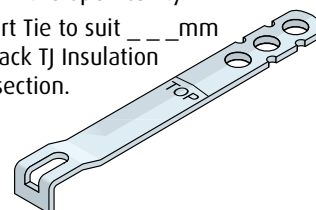
## ■ Ancon Two-Part Tie



Long ties for cavities of 150mm and above can often be difficult to balance and keep horizontal when built into the inner leaf. As an alternative, the Ancon Two-Part Tie has one section built into the blockwork and a second section is then fixed as the outer leaf is built. An embedment of 75mm is required at each end. The inner tie is usually manufactured in lengths of 170mm with variation in the cavity width being accommodated by the length of the outer section. Where insulation thickness is in excess of 60mm, the inner section should be longer than the standard 170mm to ensure the connection between the two parts is made in the open cavity.

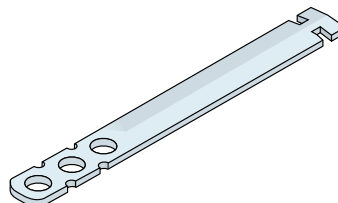
To specify or order this tie simply quote 'Ancon Two-Part Tie to suit \_\_\_mm cavity with an insulation thickness of \_\_\_mm'. The black TJ Insulation Retaining Clip is recommended for use with the inner section.

Using the standard inner section, Ancon Two-Part Ties sustain loads which exceed the requirements for a Type 2 tie to PD 6697 for cavities up to 400mm.



### ■ Two-Part Tie

**Ancon**



Nationwide Depots



## ■ Ancon Frame Cramps

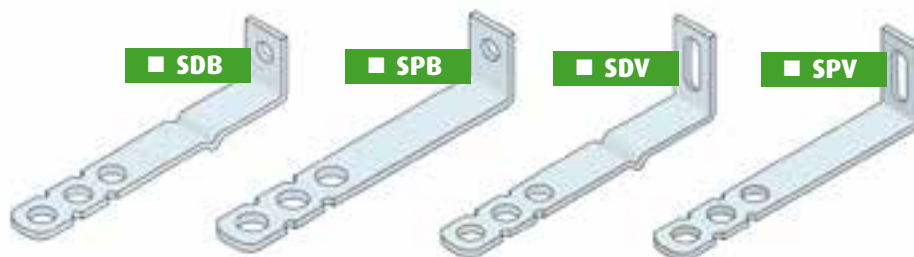
Frame cramps are an ideal solution where a restraint is required between masonry and in-situ structures. They can be fixed to a range of materials including concrete, steelwork and masonry. Frame cramps referenced \_P\_ have a plain shank, while those referenced \_D\_ feature an integral drip for use across a cavity.

### ■ SDB - Frame Cramps

Ancon SDB Frame Cramps used as cavity wall ties exceed the requirements of a Type 2 tie to PD 6697 for lengths up to 300mm. They have a 7mm diameter hole to suit a range of fixings. Ancon M6 single expansion bolts are recommended for fixing to concrete and M6 set screws or SDTSS-38-5PT self-drilling screws for fixing to steelwork. Frame cramps can be fixed to masonry with suitable plugs and screws or resin anchors. Poor substrates will limit the capacity of fixings and site testing is advisable in such applications. All fixings should be used in conjunction with a DIN washer.

### ■ SDV - Frame Cramps

Ancon SDV Frame Cramps have an 8mm x 30mm vertical slot that allows vertical fixing position adjustment where required. Their load capacity is limited when fixed in the top of the slot therefore they are not recommended for applications where tension is a consideration.



**Ancon**

Sizes	Suitable for Cavity Size
100mm	20mm - 44mm
125mm	45mm - 69mm
150mm	70mm - 94mm
175mm	95mm - 119mm
200mm	120mm - 144mm
225mm	145mm - 169mm
250mm	170mm - 194mm
275mm	195mm - 219mm
300mm	220mm - 244mm

## ■ Ancon Channel Ties



### ■ 21/18 Omega Channel Tie

Ancon 21/18 Omega Channel is a high performance, self-anchoring, cast-in channel slot suitable for use with Ancon wall ties to provide the necessary restraint to the outer leaf of masonry. The section is only 18mm deep and can be used where there is reduced cover to reinforcement and concrete as thin as 75mm. Available in 100mm and 3000mm lengths, Ancon 21/18 Omega Channel is filled with polystyrene to help prevent the ingress of concrete. Nail holes aid the fixing of the slot to timber formwork.

### ■ 25/14 Channel Tie

Ancon wall ties can also be used with our 25/14 Channels. 25/14 Channels are supplied plain-backed for surface fixing. Maximum safe working loads of surface-fixed channels will be subject to suitable fixings, for further information please contact our Technical Services Team.



Sizes	Suitable for Cavity Size
-------	--------------------------

125mm	45mm - 69mm
150mm	70mm - 94mm
175mm	95mm - 119mm
200mm	120mm - 144mm
225mm	145mm - 169mm
250mm	170mm - 194mm
275mm	195mm - 219mm
300mm	220mm - 244mm

**Ancon**

# Nationwide Depots



## ■ Ancon Head Restraints



■ IHR-B

Ancon Head Restraints provide the necessary restraint to the top of masonry walls. They allow for vertical movement to accommodate shrinkage or thermal movement of the wall or structural frame, while restraining lateral loads.

Where head restraints are to be connected to a concrete frame, the project Structural Engineer should advise whether the concrete is cracked or un-cracked.

In the absence of this information fixings will be supplied suitable for un-cracked concrete.

### ■ Ancon IHR - Internal Head Restraint

The Ancon IHR is designed to restrain the top of internal walls or the top of the inner leaf of a cavity wall. It comprises an L-shaped channel stem and a top section available in a variety of designs to suit different fixing methods and substrates; the top section slides in the channel to accommodate vertical movement between the blockwork and the structure.

The standard length of an IHR sliding top section will accommodate a gap of up to 50mm. Longer top sections are available to accommodate gaps of up to 75mm, ideal when a fire stop is being incorporated at the wall head or where greater deflection is expected in the floor.

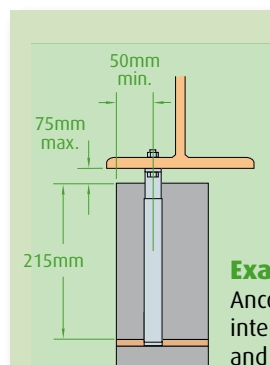
The channel stem is closed at the front to prevent mortar ingress. The base of the stem should be built into the bed joint with the centre of the stem no closer than 50mm from the edge of the block. The vertical joint should be filled with mortar each side of the stem.

The standard height of an IHR will suit a 215mm block. Other stem lengths are available on request, however, longer stems may be unable to accommodate a gap above 40mm.

The table provides the design resistance per metre for the standard IHR range when installed with a 25mm, 50mm and 75mm gap, at 900mm and 450mm centres.

The sliding tie can be provided with either a hole (IHR - B) or slot (IHR - V) to suit M8 bolts, with a notch end to fix directly into a 38/17 or 30/20 cast-in channel (IHR - C) and with a notch end to suit the Hammer-On Section that attaches to a 6.8mm - 25mm steel flange without site drilling (IHR - H).

**Ancon**



■ IHR-H

#### Example IHR Specification:

Ancon IHR-B / IHR-V / IHR-S / IHR-H / IHR-C internal head restraint to suit a 215mm block and a 25-50 / 51-75mm gap.

Product Reference	Spacing	Design Resistance for IHR Range		
		25mm Gap	50mm Gap	75mm Gap
IHR-B, IHR-V	900mm	1.78kN/m	1.22kN/m	1.06kN/m
IHR-C and IHR-S	450mm	3.56kN/m	2.44kN/m	2.11kN/m
IHR-H	900mm	1.13kN/m	1.13kN/m	1.06kN/m
	450mm	2.27kN/m	2.27kN/m	2.11kN/m



■ IHR-B

With 9mm dia. hole



■ IHR-V

With 9mm x 25mm slot



■ IHR-S

With 6mm dia. hole



■ IHR-H

Supplied with Hammer-On Section



■ IHR-C

To suit cast-in channel

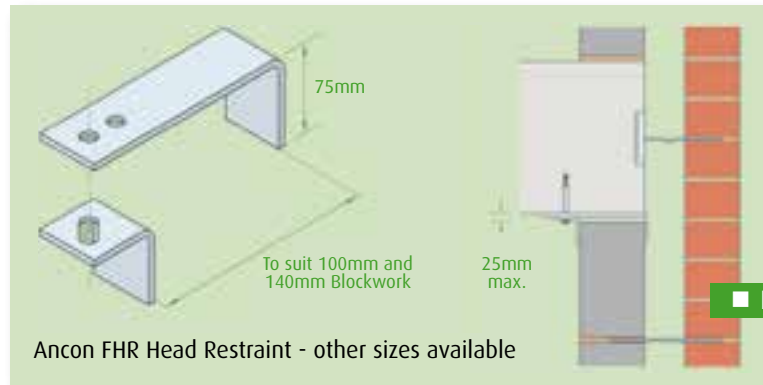
Nationwide Depots

## Ancon Head Restraints



### Ancon FHR - Head Restraint

The Ancon FHR Head Restraint is used for restraining the top of internal walls or the internal leaf of a cavity wall. The two angles clamp the top of the wall and have 10mm diameter holes to suit M8 bolts. They are supplied with two holes in the longer angle to allow the restraint to fit 100mm and 140mm blockwork. Each restraint provides a design resistance of 1890N.

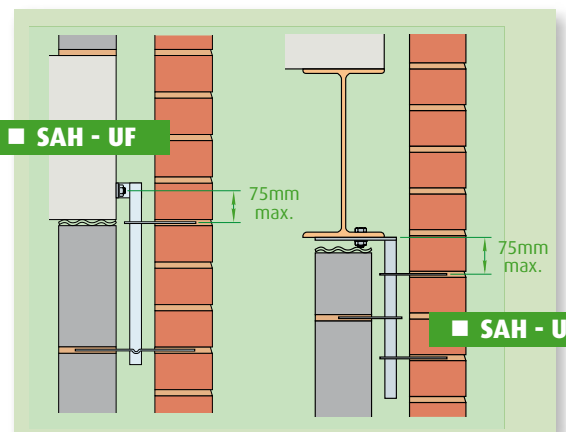


Ancon FHR Head Restraint - other sizes available

### Ancon SAH - Sliding Anchors

Ancon SAH Sliding Anchors have stems which fit within the cavity and accept ties that slide to accommodate vertical movement. Available with five different head options as standard, they can be supplied with one-way or two-way ties with safety ends.

The standard fixing hole is 12mm diameter to suit Ancon M10 Expansion Bolts (concrete), Ancon M10 Set Screws (steel) or M10 T-Head Bolts to fit Ancon 28/15 Channel. Ancon SAH Sliding Anchors have a design resistance of 755N per stem when the upper tie is within 75mm of the fixing. Ties should be spaced at a minimum of 150mm and at least two ties should be used per stem.



**Ancon**

Nationwide Depots

## Ancon Wall Ties And Restraints Summary

### ■ ST1- Standard Wall Ties

Lengths 200, 225, 250, 275, 300, 325, 350mm.

Conforms to PD 6697 as a Type 1 tie in M2 mortar.



### ■ Teplo-BF1

Lengths 200, 225, 250, 275mm.

Conforms to PD 6697 as a Type 1 tie.

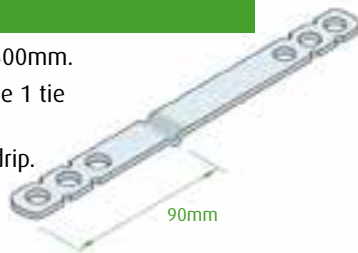


### ■ SDS

Lengths 200, 225, 250, 275, 300mm.

Conforms to PD 6697 as a Type 1 tie in M2 mortar (iv) mortar.

Also available with a central drip.



### ■ RT2

Lengths 200, 225, 250, 275mm.

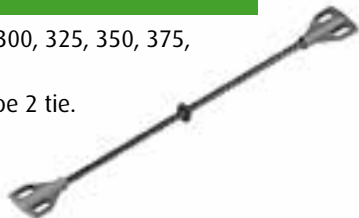
Conforms to PD 6697 as a Type 2 tie.



### ■ Teplo-BF2

Lengths 200, 225, 250, 275, 300, 325, 350, 375, 400, 425mm.

Conforms to PD 6697 as a Type 2 tie.

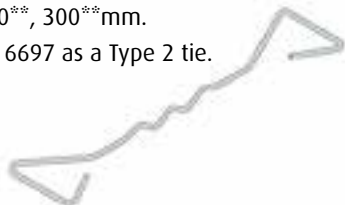


### ■ DT (Double Triangle)

Lengths 150\*, 200\*, 225\*\*, 250\*\*, 300\*\*mm.

\*Conforms to EN 845-1 and PD 6697 as a Type 2 tie.

\*\*Conforms to EN 845-1 and PD 6697 as a Type 3 tie.



### ■ RD3

Lengths 250, 275mm.

Conforms to PD 6697 as a Type 3 tie.



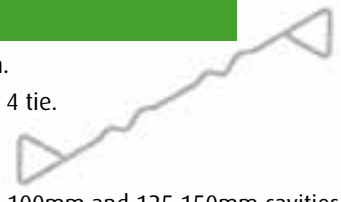
### ■ HRT4

Lengths 200, 225, 250, 275mm.

Conforms to PD 6697 as a Type 4 tie.



Suitable for party walls with 50-100mm and 125-150mm cavities.



### ■ HRD4

Lengths 250, 275mm.

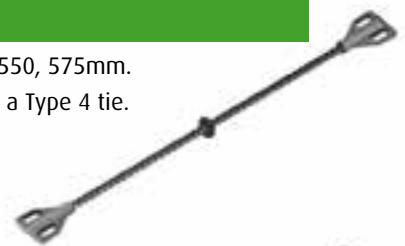
Conforms to PD 6697 as a Type 4 tie.



### ■ Teplo-BF4

Lengths 200, 225, 250, 550, 575mm.

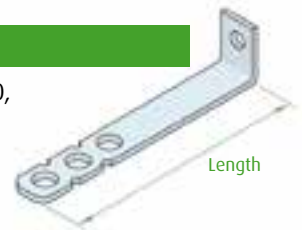
Conforms to PD 6697 as a Type 4 tie.



### ■ SPB

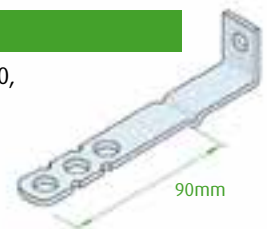
Lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300mm.

(Heavy duty version also available)



### ■ SDB

Lengths 125, 150, 175, 200, 225, 250, 275, 300mm.



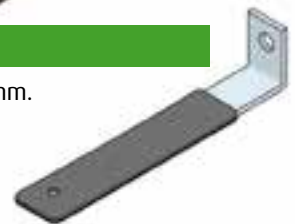
### ■ Teplo-L-Tie

Lengths 165, 190, 215, 240, 265, 290, 315, 340, 365mm.



### ■ PPB

Lengths 125, 150, 175, 200, 225mm.

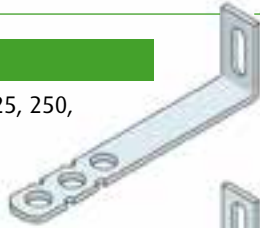


# Nationwide Depots

## Ancon Wall Ties And Restraints Summary

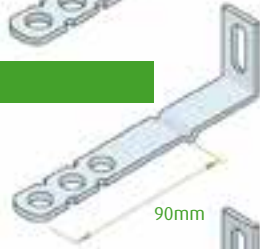
### ■ SPV

Lengths 75, 100, 125, 150, 175, 200, 225, 250, 275, 300mm.



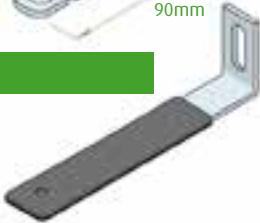
### ■ SDV

Lengths 125, 150, 175, 200, 225, 250, 275, 300mm.



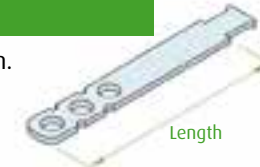
### ■ PPV

Lengths 125, 150, 175, 200, 225mm.



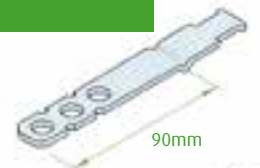
### ■ SP21

Lengths 75, 100, 125, 150, 175, 200mm.  
For use with 21/18 Omega Channel.



### ■ SD21

Lengths 125, 150, 175, 200, 225, 250, 275, 300mm.  
For use with 21/18 Omega Channel.



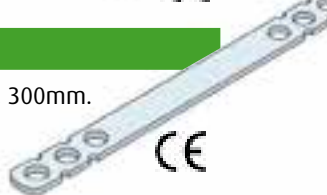
### ■ PP21

Lengths 125, 150, 175, 200, 225mm.  
For use with 21/18 Omega Channel.



### ■ SPS

Lengths 150, 200, 225, 250, 275, 300mm.  
Not suitable for collar-jointed construction.



### ■ SPS CJ

Length 150mm.  
(3mm thickness for collar-jointed construction).



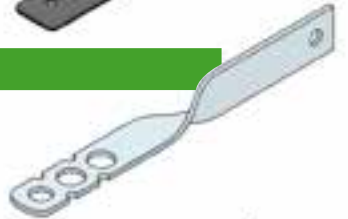
### ■ PPS

Lengths 175, 225, 250, 275, 300mm.



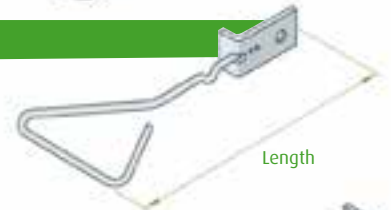
### ■ SHX

Lengths 150, 175, 200, 225mm.



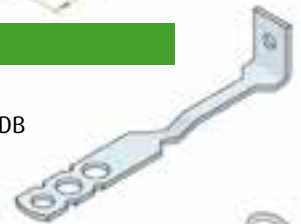
### ■ WHX

Lengths 150, 175, 200mm.



### ■ SRB

Lengths 125, 150, 175, 200, 300mm.  
(Used in applications instead of the SDB where greater flexibility is required).



### ■ Cavity Starter Tie

Supplied with an 8mm nylon wall plug and neoprene ring. Lengths 180, 200, 230mm.



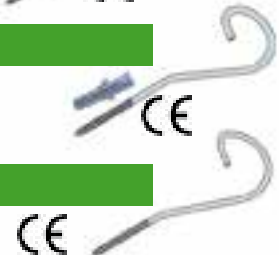
### ■ Starter Tie

Supplied with an 8mm nylon wall plug.  
Length 135mm.



### ■ Frame Tie

Length 115mm.



### Recommended Lengths for Masonry/Masonry Wall Ties

Tie Length	Cavity Width
200mm	(50-75mm cavity)
225mm	(76-100mm cavity)
250mm	(101-125mm cavity)
275mm	(126-150mm cavity)
300mm	(151-175mm cavity)
325mm	(176-200mm cavity)
350mm	(201-225mm cavity)
375mm	(226-250mm cavity)
400mm	(251-275mm cavity)
425mm	(276-300mm cavity)

### Recommended Lengths for Frame Cramps and Cast-in Channel Ties\*

Tie Length	Cavity Width
75mm	(<20mm cavity)
100mm	(20-44mm cavity)
125mm	(45-69mm cavity)
150mm	(70-94mm cavity)
175mm	(95-119mm cavity)
200mm	(120-144mm cavity)
225mm	(145-169mm cavity)

Miers Technical Service Team will be able to advise on the correct selection and use of Ancon wall Ties and Restraints.

**Ancon**

\*Excluding surface-fixed channels, Ancon Fastrack and Ancon Teplo-L-Tie.

## ■ Hessian Rolls (Frost Protection)



Hessian Rolls for frost protection and curing of brickwork & concrete.

### Roll Size (m)

50 x 1.37

## ■ Miers Miothene Strip/Roll



Standard density polyethylene joint filler complete with perforated tear off strip

We can supply virtually any combination of width, thickness & perforation.

**MIERS**

Code	Depth (mm)	Width (mm)
100/10/10	100	10
140/10/10	140	10
175/10/10	175	10
215/10/10	215	10
100/12/12	100	12
140/12/12	140	12
175/12/12	175	12
215/12/12	215	12

## ■ Temporary Protective Sheeting



### Size (m)

4 x 25

## ■ Corrugated Protection Board



Also available as fire retardant.

### Size

2m x 1m x 2mm

## ■ Bond It Line Marker Paint

### Colours

Red x 750ml  
Yellow x 750ml  
Blue x 750ml



**bond it**

Nationwide Depots



## ■ Fischer BN Bolts

Bolts available in stainless steel or zinc plated.



**fischer**  
FIXING SYSTEMS

### Sizes

6 x 55mm
8 x 75mm
10 x 85mm
12 x 115mm
12 x 140mm

## ■ Fischer Hammer Fix

Other sizes available on request.



**fischer**  
FIXING SYSTEMS

### Sizes

6 x 40mm
6 x 60mm
8 x 60mm

## ■ SDS Drill Bits



### Sizes

6 x 110mm
6 x 160/100mm
8 x 160/100mm
10 x 160/100mm
12 x 210/150mm
14 x 210/150mm

## ■ TEK Screws

Also available in stainless steel.



### Sizes

5.5 x 38mm
5.5 x 80mm
5.5 x 105mm
5.5 x 130mm

## ■ Bond It Fireshield

Intumescent Sealant.

Full range of sealants available.

Available in White but can be overpainted.

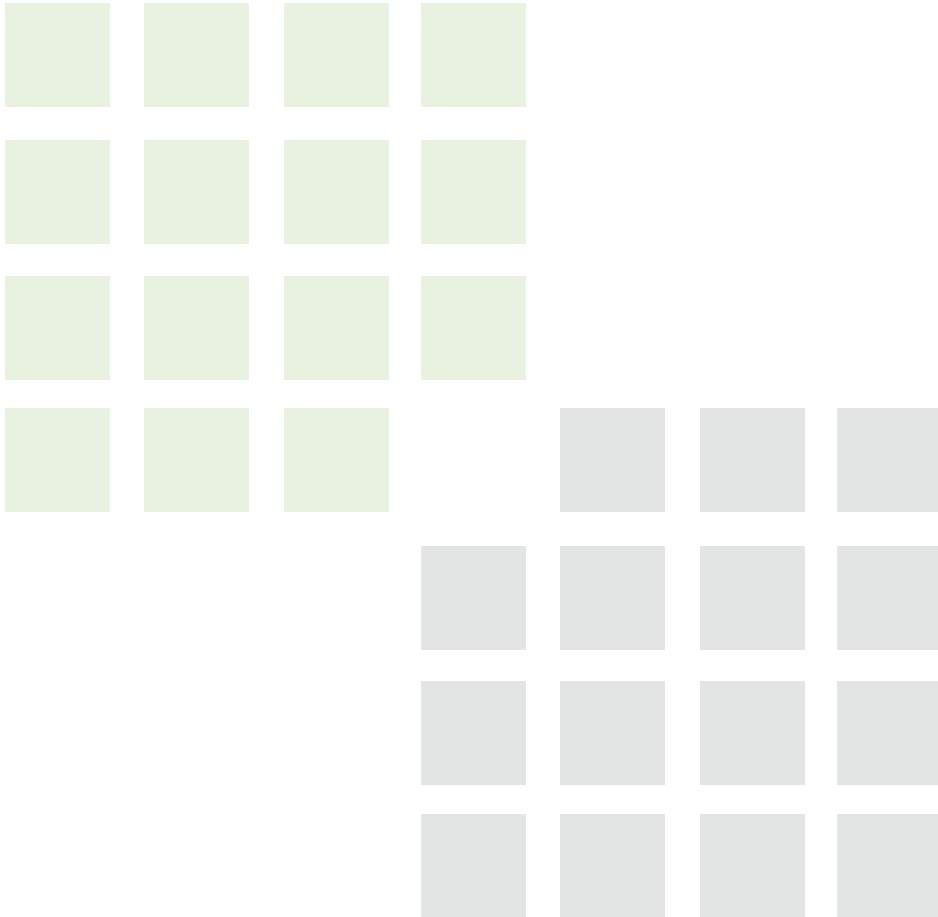
**bond it**

### Sizes

310ml cartridge
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## Structural Waterproofing and Gas Proofing .....

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#### Type A Water Proofing Barriers Applied to the Structural Element

#### Fully bonded waterproofing barrier (applied to the structural element being waterproofed and forms part of a composite structural wall)

Mapei Mapeproof HW	8
Fosroc Proofex Engage	8
Visqueen Ultimate Geoseal	8
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