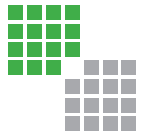


Digital version with links to
manufacturers on every product
WWW.LINKS-TO-MANUFACTURERS

MIERS
Construction Products Ltd



Fire Rated Brickwork and Cavity Sundries

Miers Construction Products are leading suppliers of concrete
and brickwork sundries from our depots across the UK



Improving choice, quality and service



FS 658263








As a leading merchant of concrete and brickwork sundries across the UK, Miers Construction Products Ltd have access to manufacturers producing products to comply with the latest regulations and the fast changing requirements designed to make buildings safer. In particular, since 2017 and the updated regulation 7 and Approved Document B it's more important than ever for designers, engineers and contractors to be aware of the products available to help them make the building safe and also to satisfy the regulations.

This is a fast changing environment, particularly in terms of the approvals and certifications held and also the up to date guidance on specifying and installation. Hence the decision to make the brochure a digital one, with **links back to the different manufacturers websites** which ensures that the latest information is always being demonstrated.

WWW.LINKS-TO-MANUFACTURERS

Where product groups in the cavity are always made of steel (such as wall ties) and by definition are non combustible in every case, we have omitted these groups from the brochure as it serves no real purpose.

The table below shows how reaction to fire is classified according to European Standard EN 13501-1

- | | |
|-----------|--|
| A1 |  No contribution to fire |
| A2 |  Insignificant contribution to fire |
| B |  No spread of fire and very limited contribution to fire |
| C |  Very limited spread of fire |
| D |  Limited spread of fire |
| E |  Acceptable reaction to fire in case of a very small fire |
| F |  Not passing requirements for classed A1 – E |

Fire Rating: A1



We have given an indication of the fire rating for each product shown, but before using any product on any project, advice from the manufacturer should always be taken.



Nationwide Depots

Ventilation Products

1

Sleeves & Collars

2

Fire Stops and Cavity Closers

3

Non-Combustible Cavity Trays

4

Barriers / Membranes

5

Resins / Sealants / Adhesives

6

Sika Passive Fire Protection

7

Expansion Joints

8

Fixings

9

**Digital version with links to
manufacturers on every product**

WWW.LINKS-TO-MANUFACTURERS

Nationwide Depots



Ventilation Products

■ Rytons A1® Metal Rytweep®



Rytons A1® Fire-rated Metal Rytweep® (Fire-rated Cavity Weep). Ensures the cavity can drain freely without obstruction. Custom RAL colour tip and overspray available in matt, semi-gloss or gloss finish.

UK Patent Pending GB1916157.9.

Registered Design 6078064.

Fire Rating: A1.

Fire Rating: **A1**

WWW.RYTONS-A1-METAL-RYTWEEP



■ Rytons A1® Duct Kits

Rytons A1® range of fire-rated metal ducting kits for attachment to the building's HVAC and extract ducting. Suitable for use in multi-storey developments which require all materials forming part of the external wall to be made from non-combustible materials. Available in an extensive choice of styles to suit new build and retrofit projects. Each kit is handmade to the requirements of the installation.

Registered Designs.

Fire Rating: A1.

Fire Rating: **A1**



WWW.RYTONS-A1-DUCT-KITS



Digital Links to manufacturers
on every product

WWW.LINKS-TO-MANUFACTURERS

Nationwide Depots

■ Titon FireSafe® Single Airbrick

Titon FireSafe® Air Brick Range is a unique high flow terminal ventilation systems offering low resistance to airflow, but high set out in Approved Document B (fire safety) volume 1: Dwellings, 2019 edition. Constructed from sheet steel (A1) and polyester powder coated to classification A2-s1, d0.

The Titon FireSafe® Single Air Brick is designed to be built into external wall types during construction. The range consists of short and long versions and can easily be connected to both 204x60 and 220x90 rectangular ducting.

Sizes 204x60 and 330x60, with depths of 100, 400 and 500 available. In standard or bezelled options.

Fire Rating: A2-s1, d0.



WWW.TITON-FIRESAFE-SINGLE-AIRBRICK



■ Titon FireSafe® Double Airbrick



Titon FireSafe® Air Brick Range is a unique high flow terminal designed for powered ventilation systems offering low resistance to airflow, but high resistance to fire as set out in Approved Document B (fire safety) volume 1: Dwellings, 2019 edition. Constructed from sheet steel (A1) and polyester powder coated to classification A2-s1, d0.

The Titon FireSafe® Double Air Brick is designed to be built into external wall types during construction. The range consists of short and long versions and can easily be connected to 220x90 rectangular ducting.

Size 204x128, with depths of 100, 400 and 500 available.

In standard or bezelled options.

Fire Rating: A2-s1, d0.



WWW.TITON-FIRESAFE-DOUBLE-AIRBRICK



■ Domus Solis Air Brick

The Domus Ventilation Solis Air Brick range has been designed as a non-combustible air brick to maintain low resistance and comply with the latest standards set out in Approved Document B (fire safety).

Constructed from sheet metal (A1) and powder coated to classification A2-s1, d0.

The range consists of three versions: 204x60, 220x90 and 220x126 to accommodate all external wall types.

Fire Rating: A2.



WWW.DOMUS-SOLIS-AIR-BRICK



■ Quelfire Intumescent Fire Sleeves

QRS CE Marked Intumescent Vent Duct Fire Sleeves prevent the spread of fire where plastic ducts penetrate fire compartment walls.

Fire Rating: A1.



WWW.QUELFIRE-INTUMESCENT-FIRE-SLEEVES

Quelfire
PROTECTING PEOPLE & PROPERTY

■ Nullifire FP170 Intucollar Intumescent Pipe Collar



FP170 Intucollar comprises of a stainless steel shell and a reactive intumescent lining. FP170 expands when exposed to fire, reinstating the fire performance of compartment walls and floors which have been penetrated by combustible pipes.

FP170 can be used on flexible walls & rigid walls (100 mm or wider) and rigid floors (150 mm or wider).

 Fire Rating:
up to 4 hours
fire integrity.

Nullifire

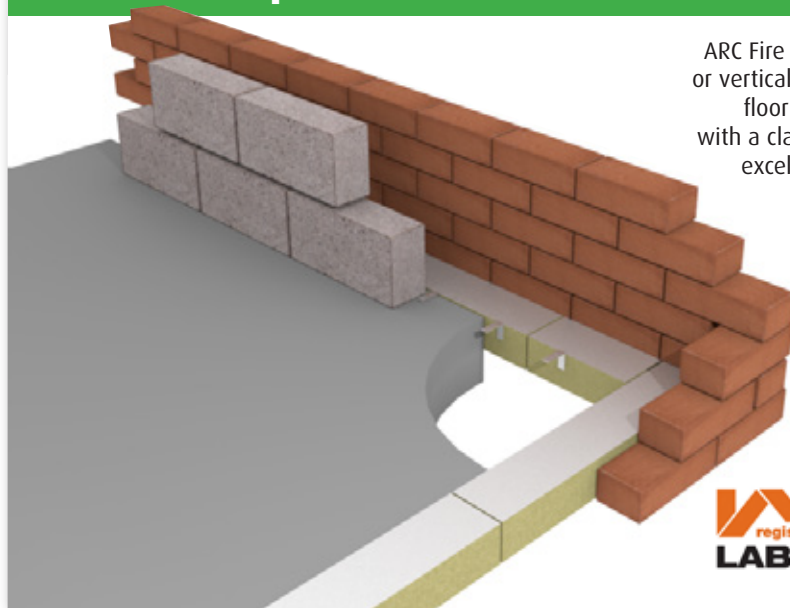
WWW.NULLIFIRE-FP170-INTUCOLLAR-INTUMESCENT-PIPE-COLLAR

Digital Links to manufacturers
on every product

WWW.LINKS-TO-MANUFACTURERS

Nationwide Depots

■ ARC Fire Stop Slab



ARC Fire Stop Slab provides up to two hours fire integrity horizontally or vertically within external masonry walls, ideal for use at separating floor levels. Manufactured from rockfibre mineral wool insulation with a class 'O' reinforced aluminium foil facing to both sides offering excellent resistance to smoke. Suitable for cavities up to 300mm.

Fire Rating: A1 + 2 hours.

Fire Ratings:  A1

WWW.ARC-FIRE-STOP-SLAB 



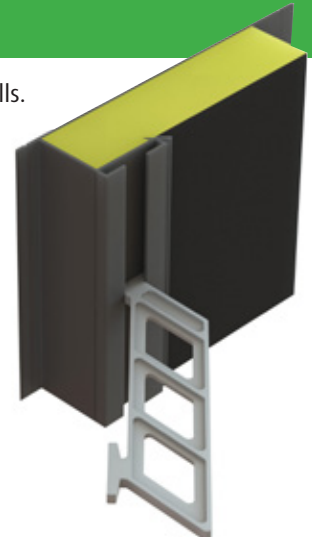
■ Timloc Thermo-loc FR30 Cavity Closer

30-minute fire-rated cavity closer for eliminating damp and cold bridging around doors, windows, and sills.

Independently tested by Warrington Fire to achieve 30 minutes fire-rating and minimum 15 minutes insulation.

Compliant with Building Regulation Approved Documents C, B, L1 and L2 and satisfies BRE document 'Thermal Insulation: avoiding risks'.

Suitable for cavities up to 300mm.



 Fire Rating:
30 mins
fire integrity.

WWW.TIMLOC-THERMO-LOC-FR30-CAVITY-CLOSER 



■ Timloc Thermo-loc FR60 Cavity Closer



 Fire Rating:
60 mins
fire integrity.

60-minute fire-rated cavity closer for eliminating damp and cold bridging around doors, windows, and sills.

Independently tested by Warrington Fire to achieve 60 minutes fire-rating and minimum 15 minutes insulation.

Suitable for cavities up to 300mm.

Compliant with Building Regulation Approved Documents C, B, L1 and L2 and satisfies BRE document 'Thermal Insulation: avoiding risks'.

WWW.TIMLOC-THERMO-LOC-FR60-CAVITY-CLOSER 



Nationwide Depots



Non-Combustible Cavity Trays

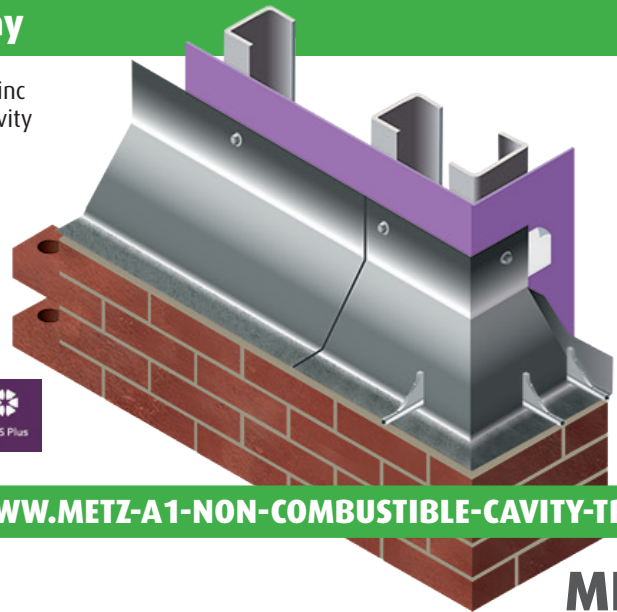
■ METZ A1 Non-Combustible Cavity Tray

Metz A1 Non-Combustible Cavity Tray is a unique patented soft zinc alloy supplied in a roll form, easily cut and formed to create a cavity tray between brickwork and SFS systems. Suitable for a range of awkward site locations such as corners or changes in levels.

Fast to install, lightweight, easy to handle and malleable.

Full design service available.

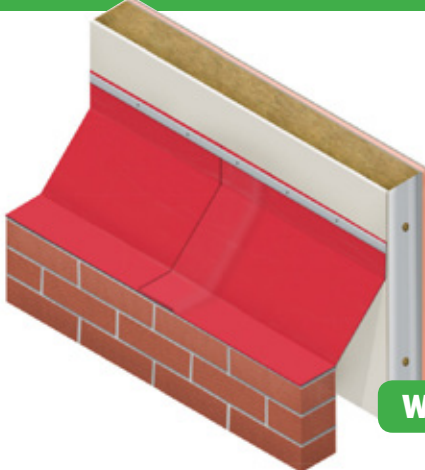
Fire Rating: A1.



WWW.METZ-A1-NON-COMBUSTIBLE-CAVITY-TRAY

METZ

■ Visqueen Zedex Non-Combustible Cavity Tray



The DPC is a flexible 0.6mm composite damp proof course and cavity tray system. It is supplied in 20m length rolls and the following standard widths: 225mm, 450mm, 500mm, 600mm, 700mm, 800mm and 900mm. Other widths are available on request.

The DPC is coloured red on the upper surface and pale grey on the reverse and is installed with the red surface facing upwards or outwards i.e. facing towards the direction of moisture penetration.

Fire rating: A2.



WWW.VISQUEEN-ZEDEX-NON-COMBUSTIBLE-CAVITY-TRAY

■ Keyfix Non-combustible Cavity Tray

Keyfix Non-combustible Cavity Tray (NCCT) sets new standards in the delivery of non-combustible cavity systems for projects requiring Document B compliance in buildings over 18m.

Designed for rapid build, the Keyfix NCCT is a 'Fix + Forget' solution and is the only fully A1 fire rated system as it does not require sealants or mastics. The system is a self-supporting, single piece tray which facilitates all cavity configurations. Each tray has integral Stop Ends which is rigid enough to not require support from the internal skin and therefore does not create a thermal bridge, and caters for all differential movement. The Keyfix NCCT is widely recognised as being the easiest and fastest system to install with an industry leading technical support package.

Fire Rating: A1.

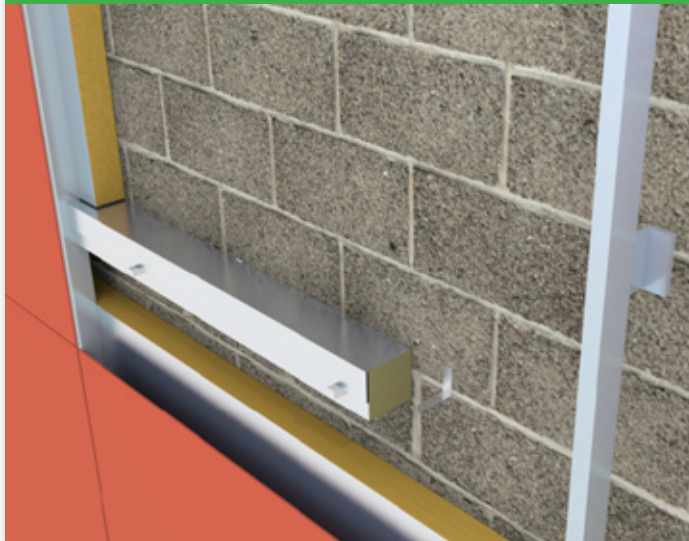


WWW.KEYFIX-NON-COMBUSTIBLE-CAVITY-TRAY



Nationwide Depots

■ ARC Rainscreen Barrier



ARC Rainscreen Barrier has been designed to provide a two hour fire rating where continuous vertical airflow is required behind a rainscreen cladding system.

Fire Rating: Document B compliant.

Fire Rating:  B

WWW.ARC-RAINSCREEN BARRIER 



■ IKO Rubbershield Fireguard Housewrap (Breather Membrane)

IKO Rubershield Fireguard Housewrap is a low flammability, vapour permeable membrane, for use within framed wall construction as a house wrap. This vapour permeable breather membrane offers all the characteristics of the current IKO Rubershield range with the added benefit of fire retardant properties that self-extinguish if ignited, providing a solution in line with part B of the Approved Documents – fire regulations.

Fire Rating: B-S1, d0.

Fire Rating:  B

WWW.IKO-RUBBERSHIELD-FIREGUARD-HOUSEWRAP 



Digital Links to manufacturers
on every product

WWW.LINKS-TO-MANUFACTURERS 

Nationwide Depots

■ illbruck ME010 Breather Membrane

ME010 is a water and air tight but vapour permeable polyester based breather membrane – used either as a full façade application or in narrower widths as a window perimeter interface seal.

This high performance breather membrane can be directly laid on sheathing board or thermal insulation behind partially or fully open rain screen façades or curtain walling. Suitable for full façade or window perimeter sealing applications.

Class B-s1, d0 to EN13501-1 – fixed to Class A2-s1, d0 mineral wool insulation or sheathing board. Tested with SP025 adhesive as a Fire Rated Membrane System.

Fire Rating: Rating: B-S3, d0.

Or: B-S1, d0 when used with illbruck SP025 adhesive, see below.



Fire Rating: **B**



WWW.ILLBRUCK-ME10-BREATHER-MEMBRANE

illbruck
making it perfect.

■ illbruck SP025 Fire Membrane Adhesive



SP025 Fire Membrane Adhesive is chemically neutral and low odour during and after curing. When tested to EN13501-1 with ME010 Façade UV & Fire Membrane, the system achieves Class B-s1, d0 (Reaction to fire). On full curing, the product is permanently elastic but with a high mechanical strength.

Suitable for bonding and sealing in construction applications. Façade sealant for external and internal use according to DIN EN 15651-1, Class 20HM. Tested with ME010 Façade UV & Fire membrane as a Fire Rated Membrane System to EN 13501-1: Class B-s1, d0. Suitable for bonding illbruck intelligent membrane range (NOT EPDM).

Fire Rating: Rating: B-S1, d0.

Fire Rating: **B**



illbruck
making it perfect.

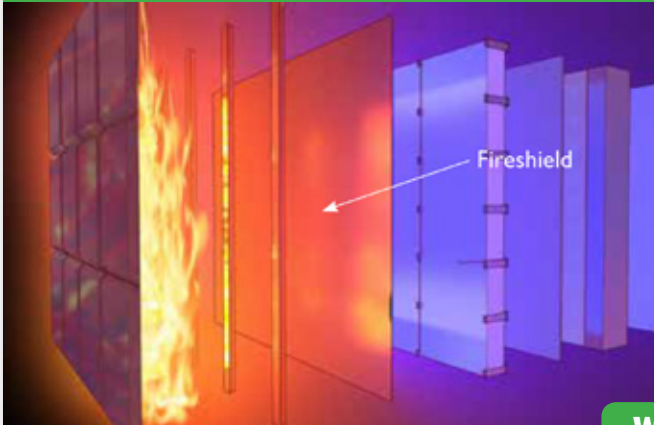
WWW.ILLBRUCK-SP025-FIRE-MEMBRANE-ADHESIVE

Digital Links to manufacturers
on every product

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Nationwide Depots

■ Proctor Fireshield (Vapour Permeable Membrane)



Fireshield is a vapour permeable walling underlay with an intumescent coated surface. Fireshield is suitable for all walling applications including those in multiple storey buildings. The intumescent coating helps protect the substrate by reducing the risk of fire taking hold and significantly reduces the formation of droplets and smoke. It is installed and fixed to the substrate in the same manner as standard breather membranes using mechanical fixings.

Fire Rating: B 

Fire Rating: B-S1, d0.



WWW.PROCTOR-FIRESHIELD 



■ Proctor Procheck A2 (Vapour & Airtight Membrane)

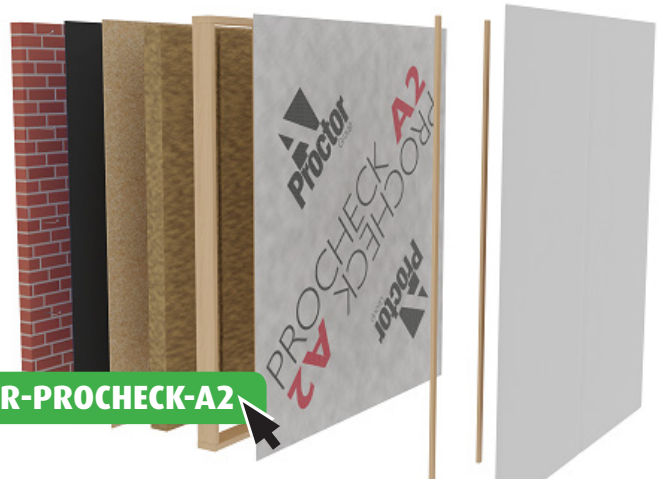
Procheck A2, is a vapour and airtight membrane. Procheck A2, with its Class A2-s1,d0 fire classification to BS EN 13501-1, is considered non-combustible with no contribution to fire. Its composition comprises of the glass fibre backing, with a pure aluminium foil and clear lacquer coating. This composition affords the membrane its Class A2 performance as well as giving it a high degree of vapour controlling properties. The membrane comes with a high vapour resistance, as well as being airtight, which allows its use as an AVCL in the construction. Providing high levels of airtightness can ensure the thermal efficiency of the building.

Fire rating A2-S1, d0.

Fire Rating: A2 



WWW.PROCTOR-PROCHECK-A2 



■ Proctor Wraptite (Externally Airtight & Vapour Permeable Membrane)



Proctor Wraptite works by combining vapour permeability and airtightness in a unique, self-adhering membrane. Wraptite offers a fast and effective solution to unplanned air leakage and its detrimental effects on energy performance. With BBA certification for a comprehensive range of wall and roof constructions and compatibility with multiple substrates, this high-performance air barrier solution can be employed on projects from domestic scale timber frame to large steel framed high rise and everything in between.

Fire Rating: B-S1, d0. (on A1 or A2 substrate).

WWW.PROCTOR-WRAPTITE 



Fire Rating: B 

Nationwide Depots

■ OBEX Cortex 0500FR Class B Membrane

Cortex 0500FR Class B Membrane is a flame-retardant flexible membrane used for sealing interfaces to provide an airtight and weather tight seal on construction projects. It has a textured surface on both faces to ensure maximum bond strength is achieved.

Cortex 0500FR achieves class B-s3-d0 (EN 13501-1), is highly UV resistant, watertight, airtight and an alternative to standard EPDM Membranes.

Fire Rating: B-S3, d0.



WWW.OBEX-CORTEX-0500-FR-CLASS-B-MEMBRANE



■ OBEX Cortex 0771FR Class B Paste Adhesive



Cortex 0771FR Class B Paste Adhesive is a high-quality, elastic, one-component paste adhesive for bonding Cortex fire-rated membranes.

The adhesive is very easy to apply, colourfast and UV resistant, permanent elastic after curing and achieves a very good bond to most common building substrates.

Cortex 0771FR achieves class B-s1-d0 (EN 13501-1).

Fire Rating: B-S1, d0.



WWW.OBEX-CORTEX-0771FR-CLASS-B-PASTE-ADHESIVE

■ OBEX Cortex 0220FR Class A1 Breather Membrane

Designed to meet the highest levels of fire protection, the Cortex 0220FR Class A1 Breather Membrane is a watertight yet vapour permeable membrane and achieves an A1 fire classification (EN 13501-1)

Fire Rating: A1.



WWW.OBEX-CORTEX-0220-FR-CLASS-A1-BREATHING-MEMBRANE



Nationwide Depots

■ OBEX Cortex 0200FR Class A2 Membrane



Cortex 0200FR Class A2 Membrane is a flexible membrane used for sealing interfaces to provide an airtight and weather tight seal on construction projects.

The material is a coated glass fibre cloth with a textured surface on both sides to ensure maximum bond strength is achieved. Cortex 0200FR Class A2-s1,d0 (EN 13501-1) is highly UV resistant, watertight and airtight.

Fire Rating: A2-s1,d0.

Fire Rating: A2 



WWW.OBEX-CORTEX-0200-FR 

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Nationwide Depots

■ OBEX Cortex 0771FR Class B Paste Adhesive

Cortex 0771FR Class B Paste Adhesive is a high-quality, elastic, one-component paste adhesive for bonding Cortex fire-rated membranes.

The adhesive is very easy to apply, colourfast and UV resistant, permanent elastic after curing and achieves a very good bond to most common building substrates. Cortex 0771FR achieves class B-s1-d0 (EN 13501-1).

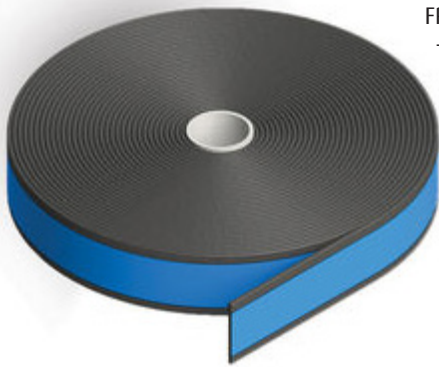
Fire Rating: B-S1, d0.

Fire Rating: B



WWW.OBEX-CORTEX-0771FR-CLASS-B-PASTE-ADHESIVE

■ Nullifire FP302 Intumescent Strap



FP302 is designed to close off combustible elements whilst maintaining compartmentation. FP302 is also a component product incorporated within many Nullifire fire stopping products.

This product is most commonly used around combustible pipes with a diameter of between 10 mm and 160 mm and all types of pipe insulation up to 60 mm thick.



Fire Rating:
up to 4 hours
fire integrity.

WWW.NULLIFIRE-FP302-INTUMESCENT-STRAP

Nullifire

Digital Links to manufacturers
on every product

WWW.LINKS-TO-MANUFACTURERS

Nationwide Depots

■ Nullifire FS703 Fire Resistant Silicone Sealant



FS703 is a low modulus, neutral cure, silicone sealant, suitable for linear gaps sealing in order to reinstate the fire performance in compartment walls & floors.

FS703 is suitable to fire seal joints in compartment walls and floors.

Ideal for joints in flexible walls, rigid walls & floors, windows and door frames.



Fire Rating:
up to 4 hours
fire integrity.

WWW.NULLIFIRE-FS703-FIRE-RESISTANT-SILICONE-SEALANT

Nullifire

■ Nullifire FS709 HP Intumescent Sealant

FS709 HP is a high expansion/pressure exerting, graphite intumescent sealant. FS709 expands when exposed to fire, reinstating the fire performance of compartment walls and floors which have been penetrated with services. FS709 can be used on flexible walls & rigid walls (100 mm or wider), rigid floors (150 mm or wider), and also with FB750 Intubatt Coated Batts.

FS709 is designed to close off gaps and penetrations in compartment walls and floors, to provide up to 4 hours fire resistance. This product has been formulated to close off combustible pipe penetrations in the event of a fire, negating the need for pipe closers or wrap systems according to test parameters stated in tds or manufactures website.



Fire Rating:
up to 4 hours
fire integrity.

Nullifire



WWW.NULLIFIRE-FS709-HP-INTUMESCENT-SEALANT

Digital Links to manufacturers
on every product

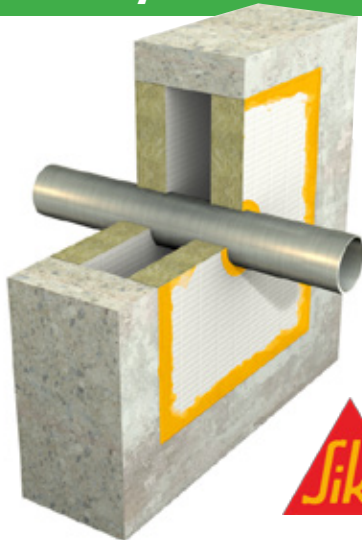
WWW.LINKS-TO-MANUFACTURERS

Nationwide Depots



Sika Passive Fire Protection

■ Sikacryl® 621 Fire Sealant (For Service Penetration and Joint Seals)



Sikacryl®-621 Fire is a fire resistant, phthalate-free acrylic sealant for interior joints and penetration sealing in walls and floors. Restores the fire resistance performance of a floor or wall which incorporates penetration services or linear seals .



Fire Rating:
up to 4 hours
fire integrity.

WWW.SIKA-SIKACRYL-621-FIRE-SEALANT

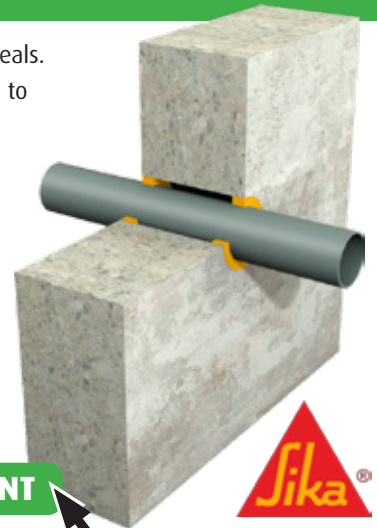
■ SikaSeal® 623 Fire Sealant (For Penetration Seals)

SikaSeal®-623 Fire is a fire resistant, intumescent graphite based sealant for interior penetration seals. SikaSeal®-623 Fire is designed to provide a high volume expansion and pressure seal during a fire to combustible pipes that pass through floor and wall service openings.

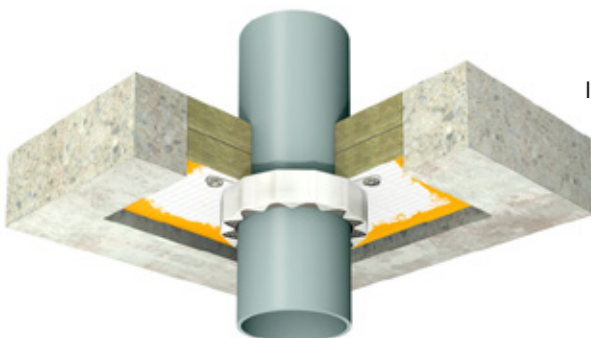


Fire Rating:
up to 4 hours
fire integrity.

WWW.SIKASEAL-623-FIRE-SEALANT



■ SikaSeal® 626 Fire Board (Fire Resistant Coated Protection Board)



SikaSeal®-626 Fire Board is a mineral wool based protection board coated with the fire resistant, ablative coating Sikacryl®-625 Fire on both sides. Its versatility lets it be combined with many other Sika passive fire protection products for sealing a wide range of installation service penetrations.



WWW.SIKASEAL-626-FIRE-BOARD

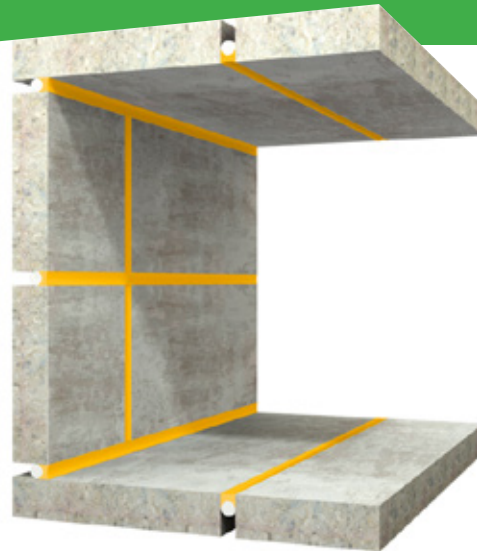


Fire Rating:
up to 4 hours
fire integrity.

Nationwide Depots

■ Sika® Backer Rod Fire

Backing rod for fire resistant joint sealing.
Sika® Backer Rod Fire is a circular, compressible, mineral wool based backing rod wrapped with a glass fibre yarn. Easy to apply, adapting to joint width and alignment irregularities.
Helps to regulate the sealant profile.
Fire Rating: A1.



WWW.SIKA-BACKER-ROD-FIRE



■ Sikasil® 670 Fire Sealant (Linear Sealant for use in Walls)



Sikasil®-670 Fire is a fire resistant, elastic, neutral curing silicone sealant for interior and exterior joints in walls and floors.
Designed for fire rated movement and connection joints on porous and non-porous substrates.

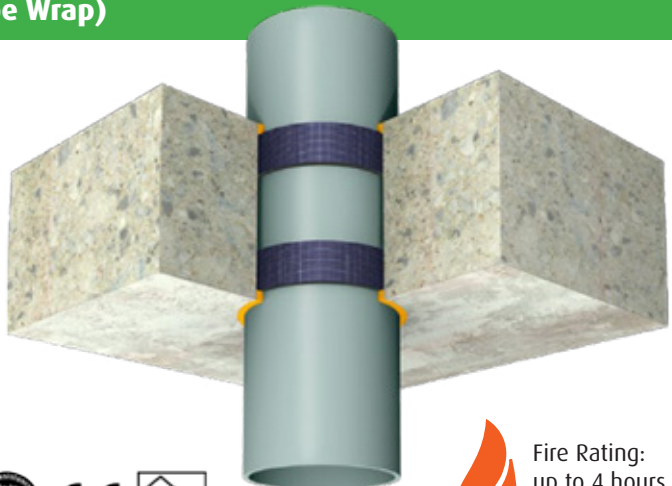


WWW.SIKASIL-670-FIRE-SEALANT



■ Sikaseal® 629 Fire Wrap (Fire Resistant Pipe Wrap)

SikaSeal®-629 Fire Wrap is a fire resistant pipe wrap on a roll for interior and exterior penetration sealing applications which can be cut to suit varying pipe diameters.
SikaSeal®-629 Fire Wrap is designed to provide a high volume expansion and pressure seal during a fire to combustible pipes that pass through floor and wall service openings.



WWW.SIKASEAL-629-FIRE-WRAP



Nationwide Depots

8/ Expansion Joints

■ Miers Expansion Joint



Fire retardant Polyethylene Expansion Joint.
Fire Rating: B-S1, d0.



WWW.MIERS-EXPANSION-JOINT

MIERS

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Nationwide Depots

■ Ancon DHM Insulation Support

Fire-protection-tested metal insulation support for fire resistant insulation boards in building construction.

To fix fire-resistant soft or pressure-resistant insulating materials, such as:

- Mineral / glass wool
- Light building boards made of wood wool
- Foam glass tiles

Fire Rating: A1.

Fire Rating: A1



WWW.ANCON-DHM-INSULATION-SUPPORT

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