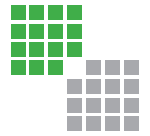


# Heave Stopper

**MIERS**  
Construction Products Ltd



## Protecting structures against clay heave and ground movement

### FAST

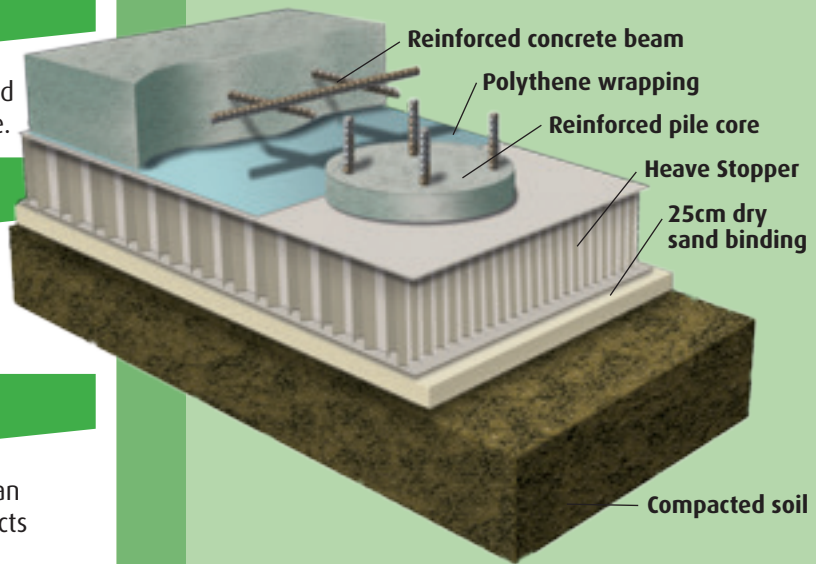
Light and easy to use, Heave Stopper can be installed at a rate of 50m<sup>2</sup> per hour or more by one operative.

### 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

## Improving choice, quality and service



# Heave Stopper Specifiers Guide

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.

Simply select the correct thickness to accommodate the heave potential of the ground based on site investigation and soil analysis results. Further guidance on predicted ground movements in shrinkable soils is given in the NHBC Standards 2018, Chapter 4.2.

The thickness of Heave Stopper should be equal to the required void plus 10mm. See table below.

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 has a compressive strength of 30kn/m<sup>2</sup>.

When dry, it is designed to have sufficient strength to support wet concrete and steel up to 1 metre thick.

The board's mechanical properties have been independently tested at the BRE Innovation Park. Tests show that the initial saturation procedure leaves just 10mm of material in the void zone.

Ultimately a 100% clear void is created which is in excess of the specified requirements and with zero kn/m<sup>2</sup> of transmitted force.

Heave Stopper can also be used horizontally and vertically to create a void to protect structures from vibration.

## The maximum NHBC void from just 160mm board

Heave Stopper is the ultimate reduced dig solution for void creation

- The slimmest method of void creation
- Less excavation, muck away & landfill
- A perfect solution for contaminated land and brownfield sites
- Ideal for sites with restricted access
- The dense cell structure of the board creates a solid working surface that doesn't need hardboard or concrete blinding
- Lowest possible forces transmitted to the structure
- BBA certificated
- Complies with NHBC standards Chapter 4.2



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