SAFE, DURABLE, ENERGY EFFICIENT
ARMATHERM THERMAL BRIDGING SOLUTIONS

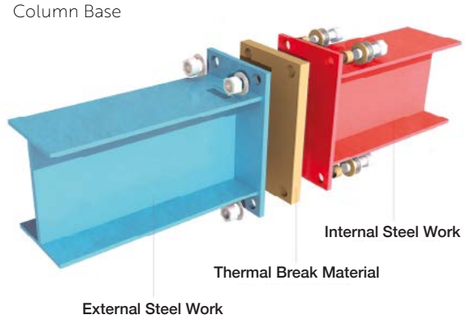
Armatherm can help minimise energy loss and significantly improve envelope performance with our family of thermal break products. Our engineers have taken the guesswork out of specifying thermal breaks in the most critical conditions.

ARMATHERM™ FRR STRUCTURAL THERMAL BREAK MATERIAL

Reducing heat flow within a building's thermal envelope reduces energy consumption as well as potential condensation issues. Thermal bridging through steel and concrete framing can have a significant impact on a building's energy performance. Armatherm™ FRR thermal break material provides low thermal conductivity and high compressive strength. Armatherm™ FRR is made of a reinforced, thermoset resin which has a fire rating of Euroclass B standard and has very limited creep under load making it the ideal material for use in structural thermal break connections.

Applications of Armatherm™ FRR

- Beam Connections
- Masonry Shelf Angles
- Lintels
- Canopies
- Column Base
- Balconies
- Curtain Wall Mullions
- Rain Screens
- Roof Penetrations



Washer and Bushing

A thermal break should also be provided at the front side of the bolt head between the steel washer and face of the exterior steel.

This prevents a thermal bridge through the bolt which would otherwise provide a path for heat flow through the thermal break assembly. Armatherm™ washers and bushings are recommended to eliminate this path and any potential for condensation within the building envelope. Contact us for assistance with your structural design or thermal calculations.

ARMATHERM™ 500 STRUCTURAL THERMAL BREAK MATERIAL

Reducing heat flow within a building's thermal envelope reduces energy consumption as well as potential condensation issues.

Armatherm™ 500 thermal break material significantly reduces energy lost from thermal bridging in building envelope connections.

Armatherm™ 500 is a high strength, polyurethane material made in several densities to support a wide range of loading conditions.

Due to it's closed cell structure, it does not absorb water or moisture and has limited creep under continuous load.

Armatherm™ 500 is manufactured in sheets 2000mm x 1000mm x 5mm, 10mm, 12mm, 15mm, 20mm, 25mm, 50mm thick and can be bonded to create 150mm, 200mm and 250mm thicknesses to achieve a specific R value. It can be used anywhere a penetration or transition exists in the building envelope creating a thermal bridge.

Visit www.armatherm.co.uk for more information
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Minimising energy loss and improving building envelope performance

Safe, Durable, Energy Efficient ARMATHERM Thermal Bridging Solutions

Armatherm™ is one of the leading suppliers of structural thermal break materials for the construction industry. Our goal is to provide architects, structural engineers and building design professionals with effective solutions to prevent thermal bridging.

Armatherm™ structural thermal break materials minimise heat loss at balcony, canopy, parapet, masonry shelf angle and cladding connections.

We are a collaborative, design-build partner who can assist in determining the extent of thermal bridging heat loss on building envelope performance including thermal modelling and connection design calculations.

We look forward to working with you.

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