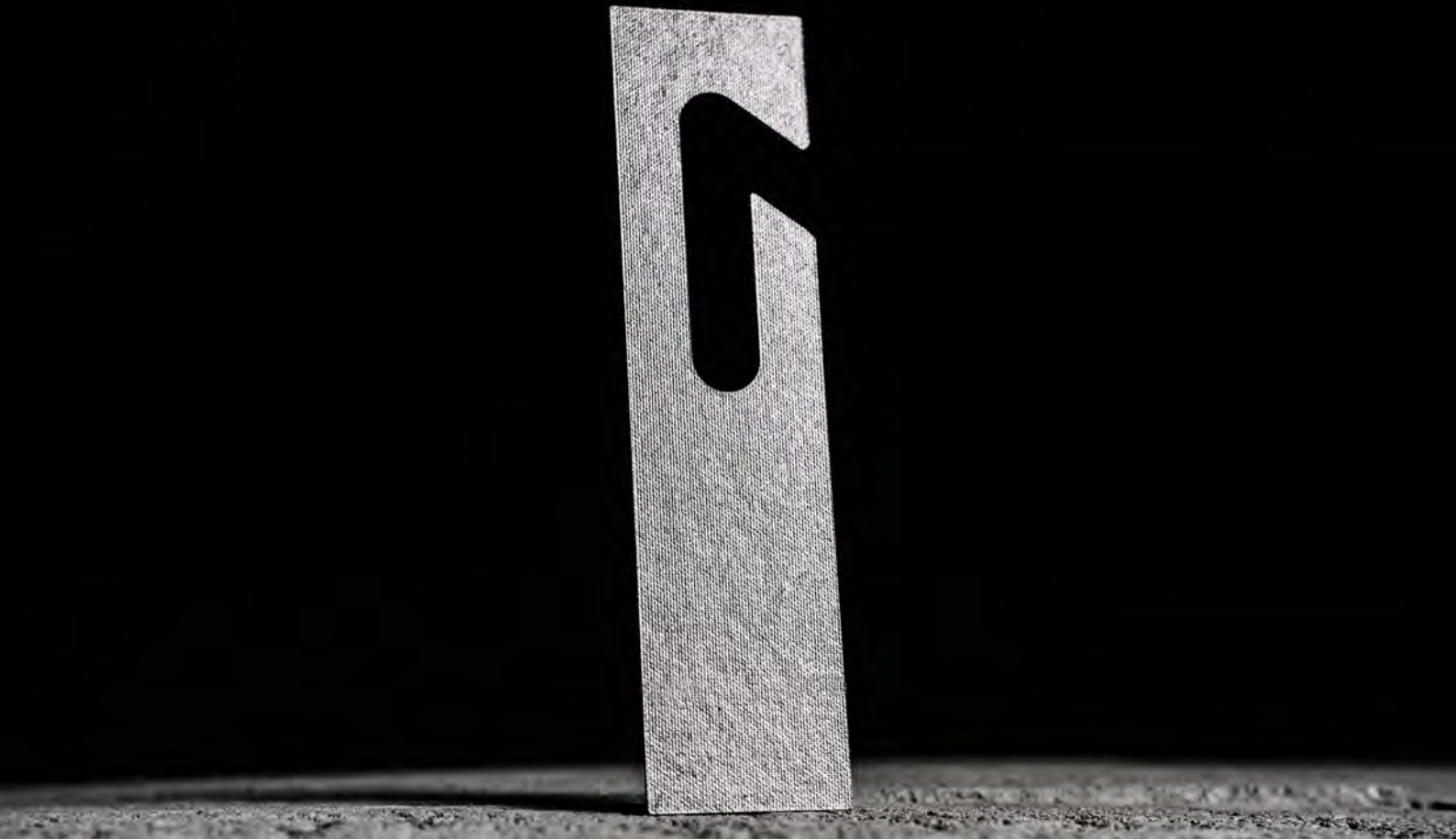




Product overview

IG Masonry Support's Thermal Shims effectively reduce heat loss by minimizing the effect of cold bridging. Placed between IG's masonry support brackets and the building's structure, these shims enhance energy efficiency and eliminate bi-metallic corrosion within the support system.

Thermal Shims are provided as standard with every IG masonry support bracket and are available in 5/64" thickness and 6-7/8" height only.

Enhanced features

Thermal & Fire Performance

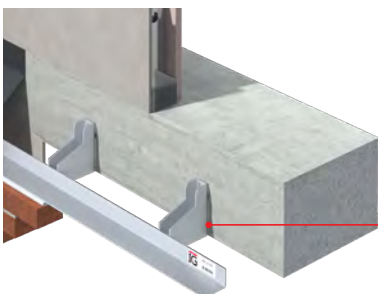
- Low thermal conductivity, reducing thermal transfer
- High thermal stability
- Non-combustible

Mechanical & Installation

- Shock and vibration resistant
- Can be installed when bracket is in position
- Eliminates bi-metallic corrosion within the masonry support system

Health & Environmental

- No harmful respirable fibres
- Environmentally friendly, free of organic binders



Positioning the Shims and Brackets

Brackets must be installed at the correct level making sure the back of the bracket ('Load Bearing Zone') is in full contact with the support structure. Only IG Shims can be used with IG's masonry support systems.

Correct and incorrect installation examples are provided in Figure 1.

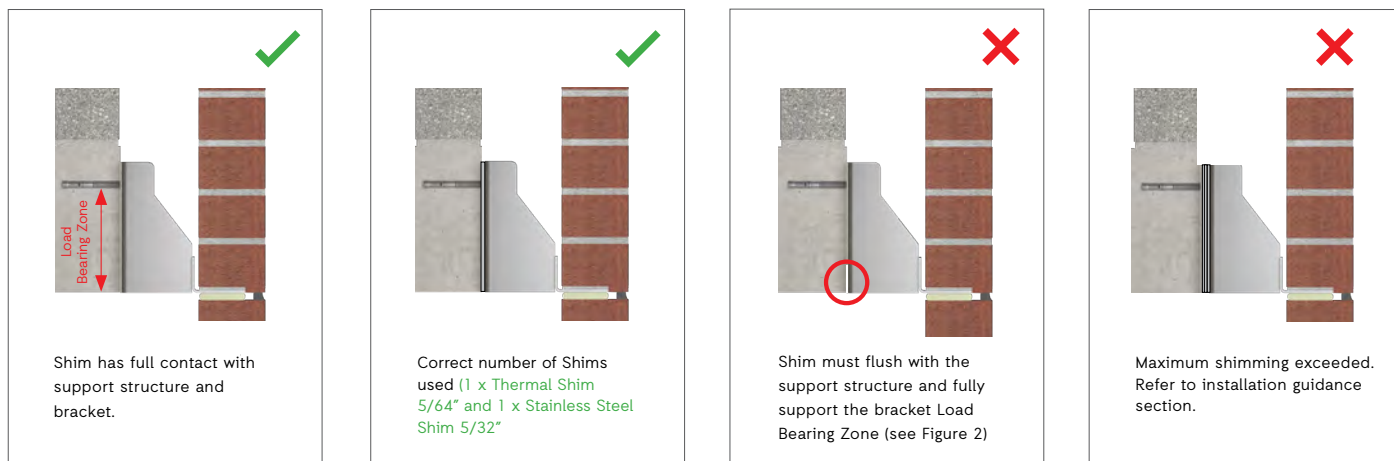


Figure 1



Brackets and Shims must be installed at the correct level making sure the back of the bracket ('Load Bearing Zone') is in full contact with the support structure. Only IG Shims can be used with IG masonry support systems.

Installation Guidance

The following guidelines should be adhered to when installing all IG Shims with IG's masonry support systems:

- Only one Thermal Shim should be used per bracket installation and it should always be positioned against the slab edge
- The combined thickness of Shims used per bracket should never exceed the outside diameter of the anchor or 1/2", whichever is less. This can be achieved using one Thermal Shim 5/64" plus Stainless Steel or Nylon Shims
- The collective number of shims should never exceed three thermal and stainless steel shims
- Shims must support, and come into contact with the full 'Load Bearing Zone' (refer to Figure 2).

5/64" Thermal Shims are provided as standard with IG's masonry support systems. Additional Stainless Steel and Nylon Shims are available to purchase on request. If your project exceeds the above shimming recommendations, contact our Technical Team.

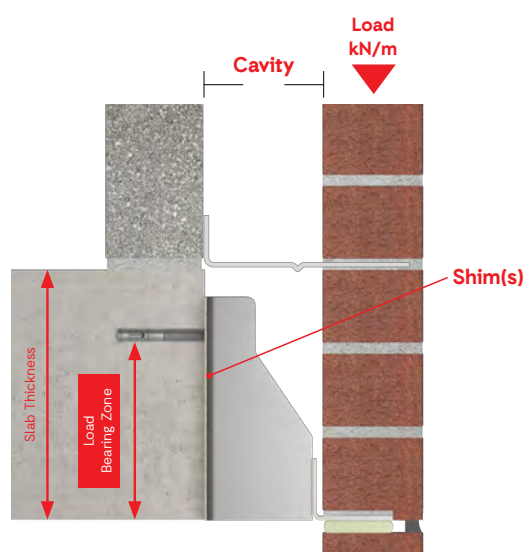


Figure 2

Thermal Properties

IG's Thermal Shim is manufactured from rigid high-temperature composite sheet material engineered for demanding thermal insulation applications.

Properties		
Physical Analysis	Test Procedures	Result
Mineral Content	IEC 371-2	>92%
Binder	-	Silicone/Epoxy
Bond Content	IEC 371-2	<8%
Density	IEC 371-2	106–131 lb/ft ³
Dielectric Strength	IEC 371-2	>500 V/mil
Thermal Conductivity 73°F	IEC 93	1.73 BTU·in/(hr·ft ² ·°F)
Thermal Conductivity 1022°F	IEC 93	4.51 BTU·in/(hr·ft ² ·°F)
Weight Loss at 1022°F	-	1.00%
Water Absorption (ASTM D-22G)	ISO 62	0.006
Flexural Strength	ISO 178	~29,000 psi
Heat Resistance	-	2192°F
Heat Loss 932°F	IEC 371-2	<1%

Installation training

Correct installation is essential to achieve the design capacity of each product. To help ensure best practice, please refer to our masonry support installation guides when installing shims with any of our masonry support systems.

Disposal

Thermal Shims should be safely disposed of in landfill.

Bi-metallic corrosion

Bi-metallic corrosion can occur when stainless steel and carbon steel are in direct contact with each other in a damp environment. This can be avoided by isolating the two metals. IG Masonry Support supply a Thermal Shim as standard, which must be located between the back of the bracket and the building's support structure.

Specifying and ordering

IG Masonry Support's designers and engineers provide a full design service for each masonry support system on offer, tailored to the requirements of each project.

Thermal Shim Sales and Enquiries

For more information
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