

<b>Product reference:</b>	<b>Marmox Thermoblock-PIR</b>
<b>Product Use:</b>	Reduction/Elimination of cold bridge beneath a parapet wall in areas that are either exposed (visible) or could come into contact with direct heat or flame (for example heat gun applied bituminous roof membranes)
<b>Manufacturer:</b>	Marmox Ltd
<b>Address:</b>	Caxton House, Hopewell Drive, Chatham, Kent ME5 7NP. 01634 835290; Email: <a href="mailto:info@marmox.co.uk">info@marmox.co.uk</a> ; <a href="http://www.marmox.co.uk/">http://www.marmox.co.uk/</a> .
<b>Product Description:</b>	Marmox Thermoblock-PIR is a heat-insulating and 9N strong load-bearing building block to be used as a wall-footing building block capable of supporting load-bearing and non-load bearing walls. Marmox Thermoblock-PIR consists of PIR insulation with two rows of load-carrying low conductive columns down each side of the length of the block. A 3mm thick polymer concrete layer reinforced with an alkali-resistant fibreglass mesh is present on the top and bottom surfaces. Like the epoxy-concrete columns, this coating also includes Carbon Nanotubes to reduce thermal conductivity.
<b>Dimensions:</b>	Length = 600mm, Thickness = 53mm, Width = 100mm or 140mm
<b>Properties:</b>	1) Thermal Insulation, vertical R value of 1.1 2) Declared Mean Compressive Strength = 9.0N/mm <sup>2</sup> 3) Waterproof 4) Fire resistant.
<b>Authorities:</b>	BBA certified (10/4778), ISO9001 (Bureau Veritas)
<b>Fixing system:</b>	Fixed to the floor and to the bricks/blocks above using a standard brick/block laying sand and cement mortar.  The wall plate of a roof is bolted through the Thermoblock into the masonry structure below it. The bolts should pass through foam component of the Thermoblock. In addition to the mechanical bond, the Thermoblock should be glued to the timber using Marmox MSP360.  Thermoblocks are fixed to each other using a small amount of Marmox MSP360 on each step joint to reduce water ingress at these joints.
<b>Treatment:</b>	The sides of Thermoblock-PIR should be protected against hard body impact.
<b>Limitations:</b>	1) Load must be distributed evenly over the surface – the wall blocks/bricks must be the same width as the Thermoblock. 2) Cannot be laid on top of each other. 6) Must not be used with adhesives, sealants, waterproofing treatments that contain organic solvents. The compatibility of ANY none standard material should be determined by checking whether that material is compatible with PIR – if it is not, then it cannot be used with this Thermoblock.