

ShieldBOARD PIR Insulation

Description

ShieldBOARD PIR is faced on the underside with a mineralised glass tissue bonded to the insulation core during manufacture. The top surface is finished with a bitumen coated glass tissue finished with a thermofusible polypropylene fleece. ShieldBOARD PIR is part of Shield Membrane's comprehensive range of high performance flat roof boards providing total solutions for flat roof projects.

ShieldBOARD PIR is suitable for use with all bitumen and liquid applied water proofing systems. ShieldBOARD PIR (Fleece side upper most) may also be fully bonded. Guidance in regard to moisture and condensation should be in accordance with BS 8217 (Reinforced bitumen membranes for roofing.) During the construction process, the construction should be protected from rain penetration during breaks in the process. With fully bonded applications additional care is required to ensure that the construction remains free from moisture. Failure to protect will result in blistering of the waterproof layer.

TECHNICAL INFORMATION

Essential Characteristics	Performance	Test Standard	Harmonised Standard
Thermal conductivity	dn < 80mm: 0.027 80mm < dn < 120mm: 0.025 dn > 120mm: 0.024	EN 12667	EN 13165:2012 +A2:2016
Reaction to fire	NPD	EN 13501	
Thickness	T2	EN 823	
Length and width	< 1000mm +5mm 1000 to 2000mm +7.5mm 2001 to 4000mm +10mm 4000mm +15mm	EN 822	
Squareness	Sb ≤ 5mm/m	EN 824	
Flatness	Length: <2.5m Area < 0.75m ² : Deviation<5mm Area > 0.75m ² : Deviation<10mm	EN 825	
Dimensional Stability	DS (70,90)4	EN 1604	
Dimensional Stability	DS (-20,-)2	EN 1604	
Compressive Strength	CS (10\Y) 150	EN 826	
Tensile Strength	TR 80	EN 1607	

Features

- High thermal performance
- For use with all Shield Membranes systems
- Torch recievable upper face

Disclaimer

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

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