

Technical Information Sheet



RESISTA MG Insulation Board

Packaging	Part Number
25 mm, 600mm x 1200mm, per bundle.	W9U22MSXXXXX
from 50 to 150 mm, 1200mm x 1200mm, per bundle.	W9U22MSXXXXX
100 and 120 mm, 1200mm x 2400mm, per bundle.	W9U22MSXXXXX

Note: Shrink-wrap packaging covering all 6 sides

Description

The Elevate™ RESISTA MG insulation board for flat roofs consists of a closed-cell polyiso (PIR) foam core laminated on both sides to a gas-open mineral glass fibre facer.

Preparation

Substrates must be dry, smooth, level, free from contamination and sufficiently strong to fix the roof build-up. Acceptable types of roof deck are in-situ poured concrete, pre-cast concrete elements with and without pressure layer (screed), lightweight concrete slabs, profiled metal decks, sandwich panels and wooden decks (timber, plywood, OSB).

Method of Application

RESISTA MG shall be neatly fitted to all roof penetrations and projections. No more boards shall be installed than can be covered with membrane and completed before the end of each day's work or before the onset of inclement weather.

RESISTA MG can be applied over existing as well as new roof surfaces and under ballasted, adhered or mechanically attached roofing membranes.

RESISTA MG must be installed using approved fasteners and plates or insulation adhesives. The number of fasteners per board needs to be determined based on a wind uplift calculation in accordance with local building codes and taking into account a minimum requirement by board size. They must be protected from moisture during storage and until the roofing membrane is installed.

Please refer to the Installation Guidelines for detailed information

Characteristics

Properties	Standard EN 13165	Test method	Unit	Value
Declared thermal conductivity	λ_D	EN 12667	W/mK	0.024 (≥ 120 mm) 0.025 (≥ 80 and < 120 mm) 0.027 (< 80 mm)
Compressive strength	CS(10\Y)150	EN 826	kPa	≥ 150
Tensile strength	TR80	EN 1607	kPa	≥ 80
Reaction to fire	Euroclass	EN 13501-1	-	F

Product Offering*

Thickness	Ranging from 25 to 150 mm			
Dimensions	600 x 1200 mm (25 mm) ; 1200 x 1200 mm (50 to 150 mm) ; 1200 x 2400 mm (100 & 120 mm)			
Finishing	Flat boards with straight edges			

Thermal Resistance

Thickness (mm)	R-Value (m ² K/W)	Thickness (mm)	R _D -Value (m ² K/W)
25	0.90	100	4.00
50	1.85	120	5.00
60	2.20	130	5.40
80	3.20	140	5.80
90	3.60	150	6.25

Specification Compliance

- UKCA as per BS-EN 13165:2012 + A2:2016
- Ozone Depleting Potential (ODP): 0
- Low Global Warming Potential
- Chlorine-free

* Please contact your local supplier for other thicknesses and availability

Storage

Cool and dry. Store material in original unopened packaging in a dry area away from sources of physical damage or chemical contamination. Bundles need to be elevated above the water line to prevent moisture infiltration. They must be protected from moisture during storage and until the roofing membrane is installed.

Shelf Life

Unlimited, if stored in the above-mentioned conditions.

Precautions

Combustible. RESISTA MG is non-structural and non-load-bearing material. The finished roof assembly should be protected from excessive roof traffic with proper walkway materials. Keep insulation dry at all times. Do not install over wet, damp or uneven substrates. Refer to Safe Use Instruction Sheet for more information. Information on application can be found in flat roof insulation guideline.

Note:

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