BUILDING TRUST

PRODUCT DATA SHEET

Sikatherm® MW UPT BE1

Cement particle board faced mineral wool thermal insulation

PRODUCT DESCRIPTION

Sikatherm® MW UPT BE1is an insulation upstand board for inverted roofing. It is mineral wool with a cement particle board facing.

USES

Provides a non-combustible, impact and weather resistant thermal insulation for use on inverted roof parapet upstands.

CHARACTERISTICS / ADVANTAGES

- Low thermal conductivity
- Good impact, ans weather resistance
- Euroclass A2-s1,d0

PRODUCT INFORMATION

Packaging	1 pack of 30no 1.2 x 0.6m boards = 21.60m2
Shelf Life	5 years from date of production
Storage Conditions	The packaging shall not be considered adequate for long term outside protection. Ideally, boards shall be stored inside a building. If however, outside storage cannot be avoided the boards shall be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Any boards which have been damaged should not be used.
Dimensions	1200mm × 600mm Thickness 56mm
Reaction to Fire	A2-s1,d0
Thermal Conductivity	0.034W/mK

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Please ensure that all necessary regulations are adhered to and every health and safety precaution taken when using, the product.

APPLICATION

Sikatherm® MW UPT BE1 is intended for use with inverted roof insulation and are supplied 1200 x 600mm. The boards can be installed either way up, vertically or horizontally, with the fibre-cement facing outwards and cut to size as required, (maximum permissible height is 1100mm). Boards should only be installed using a single piece vertically. The top edge of the boards must be protected by a cover flashing, coping or cill detail. Under no circumstances should the mineral wool insulation be exposed. When used in an inverted roof system the boards are installed before the horizontal deck insulation so that the base of the board is sat directly on the roof deck. The horizontal insulation should tightly butt against the base of the upstand board helping to pin the bottom in position.

Low level installations (up to 150mm above the inverted roof ballast).

No fixing is required providing the base of the board is adequately pinned by the horizontal insulation and roof ballast and the top is secured in place by the appropriate cover flashing detail

High level installations (exceeding 150mm above the inverted roof ballast).

High level installations require mechanical fixings in addition to the recommended top and base detailing, confirmed above, to hold the board in position. Mechanical fixings should be stainless steel or galvanized steel with appropriate pressure plate washers, (minimum 40mm diameter), and have sufficient durability for the exposure zone and life expectancy of the installation.

Fixing type, material, grade, diameter, length, number and position etc should be specified to suit the substrate, and site conditions. Alternatively, boards can be tightly clipped continuously along the top edge with a minimum continuous cover depth of 75mm. Boards should be pre-drilled with over-sized holes relevant to fibre-cement board, (at least 2mm oversize), to allow for expansion. Fixings should typically be positioned across the top edge of the board at minimum 300mm centres, minimum 50mm from the corners of the board and 50mm in from the top edge to avoid damage to the board finish. Fixings must not be positioned more than 200mm from any board edge. Fixings should be installed with a controllable speed screw gun and not overdriven, to prevent undue compression of the mineral wool insulation. Additionally, one horizontal strip of PU adhesive should be used at mid-point of the exposed board area, if the exposed area is greater than 750mm above the surfacing finish.

Cutting and Drilling

Sikatherm® MW UPT BE1 may be cut by hand or using an appropriate site approved power tool. When cutting by hand the mineral wool insulation is easily cut using a long-bladed knife or saw and the fibre-cement board using tungsten or TCT blade saws. Holes should be drilled carefully using standard masonry drill bits. Please ensure the correct PPE is worn when using, drilling and or cutting the insulation and fibre-cement boards.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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