

# PRODUCT DATA SHEET

## Decotherm MW DD

### MINERAL WOOL THERMAL INSULATION BOARD

#### PRODUCT DESCRIPTION

Decotherm MW DD is an insulation board, faced with a mineral fibre tissue, bonded to the insulation core during the manufacturing process. The core of Decotherm MW DD is high performance mineral wool with a typical density of 220kg/m<sup>3</sup> (top layer).

#### USES

Flat Board or Tapered Board Thermal insulation in Sika Liquid Plastics® waterproofing systems.

#### CHARACTERISTICS / ADVANTAGES

- Excellent fire performance
- Ideal for sound/noise reduction
- Low thermal conductivity
- Ideal for new construction and refurbishment
- High compression strength
- Supports excellent adhesion with Decostik SP
- Available as uniform thickness or tapered

#### APPROVALS / STANDARDS

- Achieves Euroclass A1 non combustibility, a robust solution for consideration of fire performance
- LPCB (LPS 1181: Part 1 Ext A) and FM approved to meet the highest European fire classifications

#### PRODUCT INFORMATION

<b>Packaging</b>	Decotherm MW DD is supplied in labelled packs shrink wrapped in recyclable polythene.
<b>Shelf Life</b>	Will not expire in the short term if store correctly
<b>Storage Conditions</b>	The packaging of Decotherm MW DD shall not be considered adequate for long term outside protection. Ideally, boards shall be stored inside a building. However, if outside storage cannot be avoided, the boards shall be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Boards that have been allowed to get wet must not be used.
<b>Density</b>	Typically 200kg/m <sup>3</sup> for main boards (with fleece face) and 150-160 kg/m <sup>3</sup> for underlay boards (without fleece face)
<b>Dimensions</b>	1200mm x 1000mm

Note: Tapered Decotherm MW DD is also available. Please consult Sika Liquid Plastics' Technical Services.

Thickness	Top Boards - 1200 x 1000 x depth	Boards Per Pack
		60mm
	85mm	15
	105mm	12
	150mm	8
	185mm	6
	Underlay Boards - 1200 x 1000 x depth	Boards Per Pack
	120mm	10
	150mm	8
	Recovery Board 1200 x 1000 x 30	40 boards per pack

## TECHNICAL INFORMATION

**Compressive Strength** Entire board 11psi (75kPa) @ 10% compression

## SYSTEM INFORMATION

System Structure	Built-Up Roofing System for Strip Back or New build (Adhered System)
Substrate	Prepare substrate in accordance with the Primer 600/610 technical data sheet
Vapour Control Layer	S-Vap 5000E SA
Insulation	Decotherm MW DD Insulation bonded with Sika Liquid Plastics Decostik® SP, please see the technical data sheet for further information <b>Note:</b> A U Value calculation must be completed to clarify underboard thickness
Carrier Membrane	S-Vap 5000E SA Carrier Membrane with Primer 600/610, please see the technical data sheet for further information
Waterproofing System	Decothane, Decothane Ultra, Sikalastic 625 or 650 - please see the technical data sheets for further information

## Built-Up Roofing System for Strip Back or New Build (Mechanically Fixed System)

Substrate	Prepared substrate to be clean, dry and level
Vapour Control Layer	S-Vap 500E please see technical data sheet for further information
Insulation	Decotherm MW DD Insulation fixed with the appropriate Sika Liquid Plastics Mechanical Fasteners, please see the technical data sheet for further information <b>Note:</b> A U Value calculation must be completed to clarify underboard thickness
Carrier Membrane	S-Vap 500E SA Carrier Membrane with Primer 600/610, please see the technical data sheet for further information
Waterproofing System	Decothane, Decothane Ultra, Sikalastic 625 or 650 - please see the technical data sheets for further information

## APPLICATION INSTRUCTIONS

Consideration must always be given to traffic levels over the surface of the bonded insulation system, prior to the application of liquid membrane. Areas susceptible high levels of traffic must be protected with boards of sufficient strength to avoid point-loading and potential damage.

### SUBSTRATE QUALITY

The substrate surface must be uniform, smooth and free of any sharp protusions or burrs, etc. It shall be clean, dry and free of grease and dust.

### APPLICATION METHOD / TOOLS

Decotherm MW DD shall be laid over a suitable vapour control layer. Decotherm MW DD must be attached to the substrate either with mechanical fixings or fully adhered using Decostik SP. Project specific fixing details must be ascertained from the latest Sika Liquid Plastics® project specification.

## FURTHER DOCUMENTS

Installation works to be carried out only by Registered Sika Liquid Plastics® Contractors. Temperature limits will depend on waterproofing membrane installation limits. Use of some ancillary products, e.g. adhesives is limited to temperatures above +5°C. Please observe information give by Product Data Sheets.

## VALUE BASE

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

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

# ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

## 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.

### TECHNICAL ENQUIRIES

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