

## PRODUCT DATA SHEET

# Deco-Drainage Composite Mat

POLYETHYLENE, THREE-DIMENSIONAL NET STRUCTURE FACED ON BOTH SIDES WITH BONDED GEOTEXTILE FILTER/SEPARATOR

### PRODUCT DESCRIPTION

Deco-Drainage Composite Mat is an extruded high density polyethylene (HDPE) net drainage core with a non-woven polypropylene (PP) geotextile filter/separator bonded to both sides by thermal lamination.

### USES

When used on an inverted roof construction, the Deco-Drainage Composite Layer will:-

- Reduce soil ingress into the void space of the drainage
- Protect the waterproofing layer from abrasion and puncturing during installation
- Improves drainage efficiency on a roof with correctly designed falls

### CHARACTERISTICS / ADVANTAGES

Engineered to have good flow under high loading  
Lightweight and easy to handle; yet tough enough to resist damage during installation and use

### APPROVALS / STANDARDS

CE Marked - tested in accordance EN 13252:  
20010:/A1:2005 Geotextiles for drainage systems

### PRODUCT INFORMATION

Packaging	Supplied on cardboard cores and wrapped in Polyethylene sheeting
Shelf Life	N/A
Storage Conditions	The rolls of geo-composite shall be stored on stable/level ground and stacked not more than five rolls high and no other materials shall be stacked on top. The rolls can be stored outdoors when packaged, but should be protected from exposure to UV. All materials should be stored in accordance with good health and safety practice and in accordance with local laws.
Length	25 metres
Width	2 metres
Thickness	4.5mm (-0.45)
Unit weight	35.75Kg/Roll

### TECHNICAL INFORMATION

Resistance to Dynamic Puncture	2000N (±200)
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<b>Tensile Strength</b>	MD 20.0kN/m (-2.0kN/m) CMD 15.5kN/m (-1.5kN/m)
<b>Elongation</b>	MD 35% (±15%) CMD 35% (±15%)
<b>Water Permeability</b>	50 L/m <sup>2</sup> /sec (-15 L/m <sup>2</sup> /sec)
<b>Opening Size</b>	75µm (±20µm)
<b>Flow Rate</b>	65.10 <sup>-5</sup> m <sup>2</sup> /s (-6.5.10 <sup>-5</sup> m <sup>2</sup> /s)

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Rolls should be butt jointed (as any overlapping of the material will cause rocking of the subsequent insulation) with the selvedge overlapping the adjacent sheet.

Filter Overlap - 100mm

Please note:

Areas of Deco-Drainage Composite Mat should not be left un-weighted/ballasted during and after application.

### 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

### 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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