

## PRODUCT DATA SHEET

# DensDeck® Prime Roof Board

Coated glass mat gypsum roof board

### DESCRIPTION

DensDeck® Prime Roof Board features a gypsum core with coated glass mat facers that are embedded on the top and bottom of the board.

### USES

DensDeck® Prime Roof Board is used as a support plate or as a cover board. It can be fully adhered, partially adhered, or mechanically fastened to the planned flat roof structure.

Note: This product is not suitable for vertical applications.

### FEATURES

- Improves weight transfer to the roof structure
- Improves wind uplift resistance for example: adhered roof waterproofing
- High resistance to loads during the construction phase
- Non-combustible
- Mold-resistant

### PRODUCT INFORMATION

<b>Composition</b>	Core	Gypsum	
	Surface	Fiberglass with a polymer coating	
<b>Packaging</b>	Packaged on pallets with protective film. Packaging units per pallet with dimensions of 1.22 x 2.44 meters.		
	<b>Thickness of the plate</b>	<b>Sheets/pallet</b>	<b>m<sup>2</sup>/pallet</b>
	6.4 mm	84 pieces	250 m <sup>2</sup>
	12.7 mm	50 pieces	148.8 m <sup>2</sup>
	Other packaging sizes are available upon request.		
<b>Appearance and colour</b>	Colour	Dark grey (top and bottom surface)	
<b>Shelf life</b>	5 years from date of production		
<b>Storage conditions</b>	Product must be stored in original unopened and undamaged sealed packaging in dry indoor conditions. If stored outside the boards must be stacked clear of the ground and covered with a polythene sheet or weatherproof tarpaulin. Boards that have become wet must be discarded. Always refer to packaging.		

<b>Dimensions</b>	Width	(1219 ± 3) mm
	Length	(2438 ± 6,4) mm
	Weight	6.4 mm = 5.9 kg/m <sup>2</sup> 12.7 mm = 9.8 kg/m <sup>2</sup>
<b>Thickness</b>	Thickness	6.4 mm (+/- 1.6 mm) 12.7 mm (+/- 0.8 mm)

## TECHNICAL INFORMATION

<b>Compressive strength</b>	approx 6200 kPa (900 psi nominal)		(ASTM C473)
<b>Flexural-strength</b>	Longitudinal (MD)	≥ 435 N at 6.4 mm ≥ 807 N at 12.7 mm	(EN 15283-1)
	Transversal (CMD)	≥ 398 N at 6.4 mm ≥ 725 N at 12.7 mm	
<b>Reaction to fire</b>	A1 (non-flammable)		(EN 13501-1)
<b>Permeability to water vapour</b>	<b>Thickness (mm)</b>	<b>Water vapor permeability (μ)</b>	(ISO 12572)
	6.4	14.6	
	12.7	10.0	
<b>Water absorption</b>	H1 (≤ 5%)		(EN 15283-1)
<b>Thermal resistance</b>	0,12 W/m·K at 6.4 mm		(EN 15283-1)
	0.16 W/m·K at 12.7 mm		

## APPLICATION INFORMATION

<b>Ambient air temperature</b>	Maximum	+60 °C
	Minimum	-15 °C

## SYSTEM INFORMATION

<b>Compatibility</b>	<p>DensDeck® Prime Roof Board can be combined with the following building materials/roof waterproofing systems, for example</p> <ul style="list-style-type: none"> <li>▪ EPS insulation</li> <li>▪ XPS insulation</li> <li>▪ PIR insulation</li> <li>▪ Mineral wool</li> <li>▪ Sarnafil® FPO roofing membranes</li> <li>▪ Sikaplan® PVC roofing membranes</li> <li>▪ SikaShield® membranes</li> <li>▪ SikaRoof® and Sarnacol adhesives</li> </ul>
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## BASIS OF PRODUCT DATA

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

## ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs. The substrate must also be clean, dry and free of grease and dust.

### APPLICATION

#### IMPORTANT

#### Application by trained personnel

The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

#### IMPORTANT

#### Exposure to moisture

Exposure to water will negatively impact the performance of the Product. It must be kept dry before, during and after installation.

1. Apply only as many boards as can be covered by roof membrane in the same day.
2. Protect boards from rain penetration during breaks in the construction process.
3. Discard any boards that become wet.

### Application below +5 °C

Note: Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations. Note: Installation of ancillary products, such as contact adhesives or cleaners is limited to temperatures above +5 °C. Refer to relevant Product Data Sheets for further information.

## 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.

## 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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