

## PRODUCT DATA SHEET

# SikaCeram<sup>®</sup> Sealing Membrane W

Flexible waterproofing / decoupling membrane for wet rooms

### DESCRIPTION

SikaCeram<sup>®</sup> Sealing Membrane W is a flexible sealing and decoupling membrane. It is easy to apply, suitable for heated floors and has crack bridging properties. Thickness ~0,5 mm. Normal and high loading conditions.

### USES

Before tiling for waterproofing and / or decoupling for the following applications:

- Bathrooms
- Commercial / Residential environments
- Wet area
- Kitchens
- Laundry's
- Spas
- Showers (private and public)
- Hospitals
- Heated floors (Water and electric systems)
- Overlaying existing indoor sound ceramic tiles

### CHARACTERISTICS / ADVANTAGES

- Waterproof
- Water vapour tightness
- Decoupling
- Flexible
- Crack bridging
- Easy to apply
- Suitable for heated floors
- Good adhesion to tile adhesive
- Wet area membrane (indoor use)
- Decoupling layer (indoor/outdoor)

### ENVIRONMENTAL INFORMATION

- VOC emission classification GEV-Emicode EC 1<sup>PLUS</sup>

### APPROVALS / STANDARDS

CE Marking and Declaration of Performance to ETA-19/0076, based on ETAG022 Part 2 - Watertight covering kit for wet room floors and walls based on flexible sheets

### PRODUCT INFORMATION

<b>Chemical Base</b>	Non-woven Membrane	Polypropylene Polyethylene
<b>Packaging</b>	1,0 m wide × 30 m long roll per box. Refer to current price list for packaging variations.	
<b>Appearance / Colour</b>	Yellow	
<b>Shelf Life</b>	2 years	
<b>Storage Conditions</b>	Product must be horizontally stored in original, unopened and undamaged sealed packaging dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.	
<b>Effective Thickness</b>	~0,5 mm	
<b>Mass per Unit Area</b>	200 g/m <sup>2</sup> (±20 g/m <sup>2</sup> )	

## TECHNICAL INFORMATION

Tensile Strength	Longitudinal	310 N / 50 mm	(EN ISO 527-3)
	Lateral	210 N / 50 mm	
Elongation at Break	Longitudinal	100 %	(EN ISO 527-3)
	Lateral	150 %	
Reaction to Fire	B2		
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.		
Resistance to UV Exposure	≥ 450 h		
Water Vapour Transimission	≥ 50 m		
Water Tightness	≥ 1,5 bar		
Service Temperature	-30 °C min. / +90 °C max.		

## APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +35 °C max.
Substrate Temperature	+5 °C min. / +35 °C max.

## SYSTEM INFORMATION

System Structure	<b>Decoupling</b>	
	Primer	Sikafloor®-01 Primer Sika® Primer-11 W+ SikaTile-010 Secure Prime
	Adhesive	SikaCeram® tile adhesive <sup>1</sup>
	Membrane	SikaCeram® Sealing Membrane W
	Accessories	Sika® SealTape F
	Tile adhesive	SikaCeram® tile adhesive <sup>1</sup>

<sup>1</sup> SikaCeram® tile adhesive minimum class S1 according to EN 12004

## BASIS OF PRODUCT DATA

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.

## LIMITATIONS

- Do not use in swimming pools.
- Do not apply accessories and membrane beyond the open time of the adhesive.
- Do not use for any applications not explicitly described in this Product Data Sheet.
- Refer to the individual Product Data Sheets of associated SikaCeram® Sealing Membrane W products.

## 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 this 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

### EQUIPMENT

- Scissors
- Razor knife
- Plastering trowel

## SUBSTRATE QUALITY

The waterproofing membrane is installed by laying onto a SikaCeram® Sealing Fix adhesive, Sikalastic®-1K or SikaCeram®-500 Ceralastic coated substrate. Refer to the individual Product Data Sheets for substrate preparation.

With subsequent installation of ceramic coverings, cement screeds are required to be at least 28 days old and to display a residual moisture reading of  $\leq 2.0$  CM-% (heating screeds  $\leq 2.0$  CM-%), calcium sulphate screeds should have a reading of  $\leq 0.5$  CM-% (heating screeds  $\leq 0.3$  CM-%)

## APPLICATION METHOD / TOOLS

### APPLICATION

**SikaCeram® Sealing Membrane W as a decoupling layer:**

#### Membrane application

Lay SikaCeram® Sealing Membrane W onto a fresh layer of SikaCeram® S1 tile adhesive (classified according to EN 12004) applied with a 4 mm notched trowel. Apply pressure over the membrane with a roller or plastic plastering trowel avoiding air bubbles under the membrane. It is recommended to smooth the membrane outwards from the middle of the membrane to the edges.

#### Joints

Butt joint adjoining membrane edges. Apply a standard masking / adhesive tape over joints.

#### Tile application

Lay the tiles over the membrane after the setting of the membrane bonding tile adhesive using a suitable SikaCeram® S1 tile adhesive.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

#### Sika (NZ) Limited

85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
www.sika.co.nz



#### Product Data Sheet

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