

PRODUCT DATA SHEET

SikaCeram® Sealing Membrane W

FLEXIBLE WATERPROOFING / DECOUPLING MEMBRANE FOR WET ROOMS

**DESCRIPTION**

SikaCeram® Sealing Membrane W is a flexible sealing and decoupling membrane used for waterproofing walls and floors under tiles in wet rooms. 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 adhesives
- Indoor use

SUSTAINABILITY

- VOC emission classification GEV-Emicode EC 1^{PLUS}

APPROVALS / CERTIFICATES

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

Composition	Non-woven Membrane	Polypropylene Polyethylene
Packaging	1,0 m wide × 30 m long roll per box. Refer to current price list for packaging variations.	
Appearance / Colour	Yellow	
Shelf life	2 years	
Storage conditions	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.	
Effective Thickness	~0,5 mm	

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 %	
Water Vapour Transmission	≥ 50 m		(EN ISO 12572)
Watertightness	≥ 1,5 bar		(EN 1928 version B)
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.		
Resistance to UV Exposure	≥ 450 h		(EN 4892-3)
Reaction to Fire	B2		(EN 4102)
Service Temperature	-30 °C min. / +90 °C max.		

SYSTEMS

System Structure

Waterproofing under tiling using SikaCeram® Sealing Fix according to ETAG 022 part 2

Primer	Refer to SikaCeram® Sealing Fix PDS
Adhesive	SikaCeram® Sealing Fix
Membrane	SikaCeram® Sealing Membrane W
Accessories	Sika® SealTape F
Tile adhesive	SikaCeram® -250 StarFix, SikaCeram®-260 StarFlex, SikaCeram®-270 MultiFlow, SikaCeram®-290 StarLight, SikaCeram®-295 StarS2

Waterproofing under tiling using Sikalastic®-1K or SikaCeram®-500 Ceralastic

Primer	Sikafloor®-01 Primer Sikafloor®-02 Primer Sikafloor®-03 Primer Sika® Primer-11 W ⁺ Sika® Primer-21 W
Adhesive	- SikaCeram® tile adhesive ¹ - Sikalastic®-1K or SikaCeram®-500 Ceralastic, for overlaps
Membrane	SikaCeram® Sealing Membrane W
Accessories	Sika® SealTape F
Tile adhesive	SikaCeram® tile adhesive ¹

Decoupling

Primer	Sikafloor®-01 Primer Sikafloor®-02 Primer Sikafloor®-03 Primer Sika® Primer-11 W ⁺ Sika® Primer-21 W
Adhesive	SikaCeram® tile adhesive ¹
Membrane	SikaCeram® Sealing Membrane W
Accessories	Sika® SealTape F
Tile adhesive	SikaCeram® tile adhesive ¹

¹ SikaCeram® tile adhesive minimum class S1 according to EN 12004

APPLICATION INFORMATION

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

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.

APPLICATION METHOD / TOOLS

SikaCeram® Sealing Membrane W with SikaCeram® Sealing Fix according to ETAG 022 part 2:

Detailing

Install Sika® SealTape F sealing accessories onto a fresh layer of SikaCeram® Sealing Fix on movement joints, floor / wall connection joints, corners, drains and around pipes.

Membrane application

Cut SikaCeram® Sealing Membrane W to the required size.

Lay SikaCeram® Sealing Membrane W onto a fresh layer of SikaCeram® Sealing Fix. Apply pressure over the membrane with a 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.

Overlap joints

All overlap joints must be bonded and sealed with SikaCeram® Sealing Fix. Effective width of overlaps must be a minimum of 50 mm.

Apply SikaCeram® Sealing Fix on top of existing applied SikaCeram® Sealing Membrane W over a width of 80 mm. The overlapping membrane is laid onto the fresh mortar and pressure applied over the joint with a plastering trowel. It is essential to avoid air bubbles and voids in the bonded joint.

Tile application

Lay the tiles over the membrane after setting of SikaCeram® Sealing Fix using SikaCeram®-250 StarFix, SikaCeram®-250 StarFix White, SikaCeram®-260 StarFlex, SikaCeram®-270 MultiFlow, SikaCeram®-290 StarLight or SikaCeram®-295 StarLight.

SikaCeram® Sealing Membrane W with SikaCeram® tile adhesive, Sikalastic®-1K or SikaCeram®-500 Ceralastic:

Detailing

Install Sika® SealTape F sealing accessories onto a fresh layer of Sikalastic®-1K or SikaCeram®-500 Ceralastic on movement joints, floor and wall connection joints, corners, drains and around pipes.

Membrane application

Cut SikaCeram® Sealing Membrane W to the required size.

Lay SikaCeram® Sealing Membrane W onto a fresh layer of a suitable SikaCeram® S1 tile adhesive (classified according to EN 12004). Apply pressure over the membrane with a 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.

Overlap joints

All overlap joints must be bonded and sealed with Sikalastic®-1K or SikaCeram®-500 Ceralastic. Effective width of overlaps must be a minimum of 50 mm. Apply Sikalastic®-1K or SikaCeram®-500 Ceralastic on top of existing applied SikaCeram® Sealing Membrane W over a width of 80 mm. The overlapping membrane is laid onto the fresh mortar and pressure applied over the joint with a plastering trowel. It is essential to avoid air bubbles and voids in the bonded joint.

Tile application

Lay the tiles over the membrane after setting of SikaCeram® S1 tile adhesive, Sikalastic®-1K or SikaCeram®-500 Ceralastic using a suitable SikaCeram® S1 tile adhesive (classified according to EN 12004).

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 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.

IMPORTANT CONSIDERATIONS

- Do not use for outside application.
- 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 named products.

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.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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).

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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