

PRODUCT DATA SHEET

SikaCeram® Sealing Membrane A

Flexible waterproofing membrane for wet rooms, swimming pools and balconies below tiling

DESCRIPTION

SikaCeram® Sealing Membrane A is a flexible sealing and decoupling membrane used for waterproofing walls, floors under tiles in wet rooms, swimming pools and balconies. It is suitable for heated floors and has crack bridging properties.

USES

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

- Normal and high loading conditions
- Commercial / Residential environments
- Bathrooms
- Wet area
- Kitchens
- Laundry's
- Spas
- Showers (private and public)
- Swimming pools (10 m depth maximum)
- Balconies
- Terraces
- Hospitals
- Heated floors (Water and electric systems)
- Overlaying existing, interior, firmly fixed ceramic tiles
- Interior and exterior use

PRODUCT INFORMATION

Composition	Membrane	Polyethylene
	Non-woven	Polypropylene
Packaging	1,0 m wide × 30 m long roll per box. Refer to current price list for packaging variations.	
Appearance and 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	

FEATURES

- Thickness ~0,5 mm
- Waterproof
- Water vapour tightness
- Decoupling
- Flexible
- Crack-bridging
- Easy to apply
- Suitable for heated floors
- Good adhesion to tile adhesives

SUSTAINABILITY

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

CERTIFICATES AND TEST REPORTS

CE Marking and Declaration of Performance to ETA-20/0677, based on ETAG022 Part 2 - Watertight covering kit for wet room floors and walls based on flexible sheets

°C. Always refer to packaging.

Effective thickness	~0,5 mm
Mass per area	285 g/m ² (± 20 g/m ²)

TECHNICAL INFORMATION

Tensile strength	Longitudinal	390 N / 50 mm	(≥ 250 N / 50 mm)	(EN ISO 527-3)
	Lateral	140 N / 50 mm	(≥ 100 N / 50 mm)	
Tensile strain at break	Longitudinal	55 % (≥ 35 %)		(EN ISO 527-3)
	Lateral	130 % (≥ 90 %)		
Crack bridging ability	Assessment category 3: Crack width 1,5 mm			
Reaction to fire	B2			
Chemical resistance	Resistant to many chemicals. Contact Sika Technical Services for specific information.			
Resistance to UV exposure	≥ 450 hours			
Water-vapour transmission rate	≥ 50 m			
Watertightness	≥ 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	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 A	
	Accessories	Sika® SealTape F	
	Tile adhesives	SikaCeram®-250 StarFix, SikaCeram®-260 StarFlex, SikaCeram®-270 Multi-Flow, SikaCeram®-290 StarLight, SikaCeram®-295 StarS2	

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.

FURTHER DOCUMENTATION

- Product Data Sheets of associated system SikaCeram® Sealing Membrane A d products

IMPORTANT CONSIDERATIONS

- Do not use on roof terraces.
- Do not apply accessories and membrane beyond the open time of the adhesive.
- Ensure that the membrane is not damaged during installation.
- Do not use for any applications not explicitly described in this Product Data Sheet.

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

EQUIPMENT

- Scissors
- Razor knife
- Plastering trowel

SUBSTRATE QUALITY

The waterproofing membrane is installed by applying it with SikaCeram® Sealing Fix adhesive or using SikaCeram® S1 tile adhesive for decoupling. Refer to the individual Product Data Sheets for substrate preparation.

APPLICATION

SikaCeram® Sealing Membrane A 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 A to the required size. Lay SikaCeram® Sealing Membrane A 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 A over a width of 80 mm. The overlapping membrane is laid onto the fresh mortar and pressure is 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 the SikaCeram® Sealing Fix.

SikaCeram® Sealing Membrane A on balconies and terraces

SikaCeram® Sealing Membrane A must be laid lengthwise to the slope and not crosswise. This ensures that the drained water is not retained at junctions.

SikaCeram® Sealing Membrane A as a decoupling layer:

Membrane application

Lay SikaCeram® Sealing Membrane A 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.

SikaCeram® Sealing Membrane A in swimming pools:

Contact local Sika technical service for detailed installation instructions.

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 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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ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
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ISO 9001 – LMS
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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