

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 waterproofing 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 excellent 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

FEATURES

- Guaranteed film thickness vs traditional liquid membrane systems
- Thickness ~0,5 mm
- Waterproof
- Water vapour tightness
- Decoupling
- Highly Flexible
- Crack-bridging
- Easy to apply
- Suitable for heated floors
- Good adhesion to tile adhesives
- Suitable for pools and spa and other submerged applications protected by a tiling system - **Seek Sika specification for these applications.**

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

AS 4858 -2004 Wet area membranes

AS 4654.1-2012 Above ground external waterproofing membranes

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 °C. Always refer to packaging.	
Product declaration	Class III elongation	
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

Mixing ratio	The adhesive used to bond the SikaCeram® Sealing Membrane A system: SikaTile 440 Opti-Cure mixed neat with Lanko Latex 751 Additive.			
	Mixing Ratio:			
	Application Type	SikaTile-440 Opti-Cure	Lanko Latex 751	Estimated coverage
	Rollable	5.5 - 6.25kg	5Ltrs	10m ²
	Trowel-able	7-8kg	5Ltrs	9m ²
	<ul style="list-style-type: none"> Do not dilute the Lanko latex 751 - use neat. 			
	Trowel Application			
	<ul style="list-style-type: none"> Trowel size 2.6mm V notched trowel for board substrates Trowel size 3.5mm V notched trowel for concrete and screed substrates 			
	Pot Life: 1.5 hours (approx)			

Mixing Instructions for bonding the SikaCeram® Sealing Membrane A:

1. Add the Lanko Latex 751 additive to a clean mixing bucket. Slowly add the SikaTile 440 Opti-Cure to the bucket while stirring with an electric mixing drill.
2. Mix the adhesive to a smooth lump free mixture and allow the mixture to stand or "slake" for 3 minutes.
3. Restir the adhesive for an additional 1 minute then the adhesive can be used.
4. The adhesive may need restirring during its pot life, do not add any additional Lanko latex 751.

Ambient air temperature	+5 °C min. / +35 °C max
Substrate temperature	+5 °C min. / +35 °C max For external application in exposed hot sun cover with screed or tile as soon as applicable or cover with a white corflute protection board or similar immediately after installation Tenting the application area may be required in hot direct sun to avoid high substrate temperatures.

SYSTEM INFORMATION

System structure	Waterproofing of wet areas, balconies and terraces
	Porous Primer: SikaTile 010 Secure Prime
	Non-porous Primer: SikaFloor-14 Prep n Prime
	Sheet Membrane System
	Sheet Membrane: SikaCeram® Sealing Membrane A
	Flexible bandage Sika SealTape F
	Sika SealTape B
	Tiling System Any Sika manufactured C2S1 classed flexible cement based tile adhesive
	Tile Grout Any Sika manufactured CG2 classed tile grout
	Submerged Applications, Pools Spas, and Saunas Seek written Sika Specification for submerged applications such as pools or spas. Note: Refer to all relevant product datasheets for product limitations and instructions prior to use.

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.

IMPORTANT CONSIDERATIONS

- Do not use on roof terraces as the primary waterproofing membrane.
- 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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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® C2S1 tile adhesive for decoupling. Refer to the individual Product Data Sheets for substrate preparation.

APPLICATION

Refer to Mixing Ratio section in this document for Adhesive details.

Application of floor wall junctions, changes of plane and corners using Sika SealTape F

Apply the adhesive to the substrate junctions with a 100mm roller or v notched trowel. While the adhesive

is wet embed the Sika SealTape F in position. Apply addition adhesive to overlap the joins and smooth out with a plastic scraper

Application of Pipe Penetrations - Sika SealTape F for PVC fittings, apply a single coat of SikaFloor-14 Prep n Prime and allow to dry.

For Metal Fittings, lightly abrade with steel wool and then clean residue with Isopropyl Alcohol and allow to dry.

Then apply a single coat of SikaFloor-14 Prep n Prime and allow to dry.

Apply the adhesive around the pipe penetration with a 100mm roller or a V notched trowel and embed the Sika SealTape F around pipe penetrations and flatten out with a plastic scraper.

Application of the SikaCeram® Sealing Membrane A Measure and cut sheet as required with the Utility Knife or Scissors Apply a layer of the adhesive with a roller or V notched trowel to an area that can be covered prior to adhesive skinning (approx 1m2) and embed the SikaCeram® Sealing Membrane A into the adhesive. Immediately fatten the sheet with a plastic scraper. Repeat process by gradually rolling and apply adhesive as required.

All sheet joins are to be overlapped by a minimum 50mm and ensure the adhesive covers all sheet joins for a watertight finish. Waterstop Angles, and Terminations Penetration can be terminated onto the pipe penetrations.

Prime PVC pipes with SikaFloor-14 Prep n Prime and allow to dry. Apply the adhesive to the primer and install the Sika SealTape F. Control Leak flanges shall be primed with SikaFloor-14 Prep n Prime and allowed to dry prior to bonding sheet terminations or Sika SealTape F with the adhesive Waterstop Angles shall be primed with SikaFloor-14 Prep n Prime and allowed to dry. Bond the Sika SealTape F to Waterstop angles with the adhesive as needed.

Application Notes:

- Ensure all sheet joins and tapes etc are overlapped by 50mm.
- Ensure all sheet joins and over laps are well bonded. If required the adhesive can be skimmed over sheet joins to protect sheet edges.

LOCAL RESTRICTIONS

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

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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Product Data Sheet

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