

PRODUCT DATA SHEET

SikaCeram® Sealing Fix

WATERPROOF ADHESIVE FOR BONDING SIKACERAM® SEALING MEMBRANE A AND SIKACERAM® SEALING MEMBRANE W



DESCRIPTION

SikaCeram® Sealing Fix is a 2-part, waterproof adhesive used for bonding SikaCeram® Sealing Membrane A or SikaCeram® Sealing Membrane W.

USES

Bonding the following SikaCeram® membranes:

- SikaCeram® Sealing Membrane W for interior wet rooms
- SikaCeram® Sealing Membrane A for interior and exterior wet rooms, swimming pools and balconies

CHARACTERISTICS / ADVANTAGES

- Watertight
- Crack bridging
- Frost resistant
- Very low emissions
- Low dust
- 2-part
- Roller or trowel applied
- Typical bonding substrates: Cementitious, gypsum boards, ceramic, calcium sulphate

SUSTAINABILITY

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

PRODUCT INFORMATION

Composition	Dispersion: Acrylate Powder: Cement, selected aggregates, water retention additives, re-dispersible polymer	
Packaging	Parts A + B: 7,8 kg container. Refer to current price list for packaging variations.	
Appearance / Colour	Part A	Dispersion
	Part B	White powder
Shelf life	12 months from date of production	
Storage conditions	Product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.	

TECHNICAL INFORMATION

Temperature Resistance - 20 °C up to 70 °C

SYSTEMS

System Structure

For the following substrates, a primer must be used:

Substrate	Primer
Highly absorbent substrates	Sikafloor®-01 Primer (1:3) Sikafloor®-03 Primer
Absorbent substrates (cementitious screed, concrete)	pre wet the substrate
Calcium sulphate substrates (gypsum plaster, calcium sulphate screed)	Sikafloor®-01 Primer (1:1) Sikafloor®-03 Primer
Non-absorbent substrate (ceramic tiles)	No priming required if abraded
System Structure	
Adhesive	SikaCeram® Sealing Fix
Membrane	SikaCeram® Sealing Membrane W or SikaCeram® Sealing membrane A
Accessories	Sika® SealTape F
Tile adhesive	SikaCeram®-250 StarFix, SikaCeram®-250 StarFix White, SikaCeram®-260 StarFlex, SikaCeram®-270 Multiflow SikaCeram®-290 StarLight, SikaCeram®-295 StarS2

APPLICATION INFORMATION

Mixing Ratio	Part A	4,8 kg dispersion
	Part B	3,0 kg powder
	Part A : Part B	1,6 : 1,0 by weight
Consumption	~0,46 kg/m ² dispersion + 0,29 kg/m ² powder Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.	
Pot Life	~45 minutes at +20 °C	
Open Time	~15 minutes at +20 °C	

APPLICATION INSTRUCTIONS

EQUIPMENT

Mixing

- Electric single paddle mixer (< 500 rpm) with spiral paddle

Application

- Roller
- 3 or 4 mm square notched trowel

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate can be one of the following materials: Cementitious, gypsum boards, ceramics and calcium sulphate based. Cementitious substrates must be sufficiently cured and dried (2–6 weeks), all substrates must be structur-

ally sound, able to support the weight of the new tiling and provide a stable and securely fixed background. Surfaces must be clean, dry, free of any loose or friable particles, contaminants such as dust, dirt, oil, wax, polish grease, cement laitance or efflorescence. Depending on the substrate condition and contaminants to be removed from the surface, use adequate preparation techniques to remove all traces of any materials that could reduce the product's adhesion to the substrate. Smooth surfaces should be roughened lightly to improve adhesion. To confirm adequate surface preparation and adhesion, carry out a small trial before full application.

Any surface defects and variations in level, profile, or around exposed aggregates can be levelled with appropriate mortars from the Sika MonoTop® or Sika-floor® Level range. Cracks in substrates must be identi-

fied and sealed appropriately e.g. with Sikadur epoxy resins.

If SikaCeram® Sealing Fix, membrane and tiles are to be applied over non-absorbent or substrates with limited absorbency, such as existing ceramic tiles, painted surfaces etc. check to confirm these surfaces are all stable, firmly and securely bonded. Then use suitable degreasing/descaling products to thoroughly and completely clean the surface.

MIXING

Pour Part B (powder) into Part A (dispersion). Mix thoroughly using an electric mixer and stirrer until the material is fully mixed and lump free (~3 minutes). Avoid entraining air into the mix by over mixing. Do not add water. If partial quantities are required, mix by weight 1,6 Part A : 1,0 Part B in a separate mixing container.

APPLICATION

Apply SikaCeram® Sealing Fix with a roller or 3 / 4 mm notched trowel.

Waterproofing details made with Sika® SealTape F and accessories can be applied before or after the membrane using SikaCeram® Sealing Fix.

If application is interrupted, the roller can be stored up to 30 minutes in an airtight plastic film / bag. If product starts to cure on the roller, the roller must be replaced.

Refer to the PDS of the relevant SikaCeram® Sealing Membrane for installation process.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water after use. Hardened material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Apply membrane within 15 minutes of SikaCeram® Sealing Fix application.

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.

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.

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.

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.

Sika Services AG

Tüffenwies 16
8048 Zürich
Tel: +41 58 436 4040
www.sika.com



PRODUCT DATA SHEET

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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
- Kitchen
- 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

CHARACTERISTICS / ADVANTAGES

- Thickness ~0.5 mm
- Waterproof
- Water vapour tightness
- Decoupling
- Flexible
- Crack-bridging
- Easy to apply
- Suitable for heated floors
- Good adhesion to tile adhesives

PRODUCT INFORMATION

Chemical Base	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 / 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

Mass per Unit Area 285 g/m² (± 20 g/m²)

TECHNICAL INFORMATION

Tensile Strength

Longitudinal	390 N / 50 mm (≥ 250 N / 50 mm)	(EN ISO 527-3)
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Lateral	140 N / 50 mm (≥ 100 N / 50 mm)
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Elongation at Break

Longitudinal	55 % (≥ 35 %)	(EN ISO 527-3)
Lateral	130 % (≥ 90 %)	

Water Vapour Transmission ≥ 50 m (ETAG 022)

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 hours (EN ISO 4892-3)

Reaction to Fire B2 (EN 4102)

Service Temperature -30 °C min. / +90 °C max.

SYSTEM INFORMATION

System Structure

The following system products must be used:

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

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 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 METHOD / TOOLS

SikaCeram® Sealing Membrane A with SikaCeram® Sealing Fix for waterproofing:

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.

FURTHER DOCUMENTS

- Product Data Sheets of associated system named products

LIMITATIONS

- 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.

BASIS OF PRODUCT DATA

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LOCAL RESTRICTIONS

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ECOLOGY

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)

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Sika Taiwan Ltd.

No. 1380, Sec. 3, Fu-Kwo Rd., Luchu Dist.
338009 Taoyuan City, Taiwan, R.O.C.
TEL: 03 352 8622 . FAX: 03 352 0470
sika@tw.sika.com . tw.sika.com



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