

BUILDING PRODUCT INFORMATION 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 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 as a decoupling layer in the following applications:

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

LIMITATIONS OF USE

All claims relating to the performance of this product, in accordance with NZ Building Code compliance, are applicable only when it is included as part of a Sika membrane system.

FEATURES

- 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-Eimicode EC 1^{PLUS}

PRODUCT INFORMATION

Product identifier	SikaCeram® Sealing Membrane W	
Place of manufacture	Overseas	
Composition	Non-woven Membrane	Polypropylene Polyethylene
Packaging	1 m wide × 30 m long roll per box.	
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.	
Appearance and colour	Yellow	
Effective thickness	~0,5 mm	
Mass per area	200 g/m ² (±20 g/m ²)	

TECHNICAL INFORMATION

Tensile strength	Longitudinal	310 N / 50 mm	(EN ISO 527-3)
	Lateral	210 N / 50 mm	
Tensile strain at break	Longitudinal	100 %	(EN ISO 527-3)
	Lateral	150 %	
Service temperature	-30 °C min. / +90 °C max.		
Watertightness	≥ 1,5 bar		(EN 1928 version B)
Water-vapour transmission rate	≥ 50 m		(EN ISO 12572)
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)

SYSTEM INFORMATION

System structure	Decoupling		
	Primer	Sika® Primer-11 W*	
		Sika® Primer-21 W	
	Adhesive	SikaCeram® tile adhesive ¹	
	Decoupling 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.

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information	Address	Sika Deutschland GmbH Kornwestheimer Strasse 103-107, 70439 Stuttgart, Germany
Importer information	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	https://nzl.sika.com/
	Email address	info@nz.sika.com
	NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses	Note: This product, on its own, is not within the scope of the NZ Building Code. However when it is used as a component of a Sika waterproofing membrane system in accordance with NZBC E2 and E3 it will contribute to meeting the requirements of the following clauses
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B2 Durability: Performance clause B2.3.1 - (b) 15 years

E2 External Moisture: Performance clause E2.3.1 and E2.3.2

E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6

F2 Hazardous Building Materials: Performance clause F2.3.1

Building Code compliance statements

Performance B2.3.1 (b) 15 years: This product has been evaluated in accordance with B2/VM1. It meets this durability requirement and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. nzl.sika.com. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2019.

Performance E2.3.1 and E2.3.2: This product contributes to meeting the E2 External Moisture requirements for decks and balconies when included in a Sika liquid applied membrane system installed in accordance with the instructions contained within the BRANZ appraisals for Sikalastic 152 and Sikalastic 220W and all relevant Sika literature

Performance E3.3.3, E3.3.4, E3.3.5, E3.3.6: This product contributes to meeting the E3 internal moisture requirements when included in a Sika liquid applied membrane system that has been designed and installed in accordance with the requirements of E3/AS1, E3/AS2-Internal Wet Area Membrane Systems (WMA Code of Practice for Internal Wet Membrane Systems (2020)), the appropriate BRANZ Appraisal (Sikalastic 152, Sikalastic 220W, Sika AquaBlok) and relevant Sika technical literature (Code of Practice, BRANZ appraisals and Sika literature available at nzl.sika.com)

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required

BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- 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.

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

DESIGN REQUIREMENTS

The substrate that the membrane will be applied to must be in accordance with the NZBC to a relevant standard, such as NZS3101 for concrete, NZS 4230 or NZS 4229 for concrete masonry and NZS 3604 for timber framed Buildings.

In accordance with E3/AS1 and E3/AS2 membrane systems must be specified by the tile manufacturer (supplier) as being suitable for the tiles and the environment. And the system must be designed in accordance with the Waterproofing Membrane Association Code of Practice for Internal Wet Area Membranes - Feb 2020 and relevant Sika technical literature available at nzl.sika.com

EQUIPMENT

- Scissors
- Razor knife
- Plastering trowel

SUBSTRATE QUALITY

The decoupling membrane is installed by laying onto a SikaCeram® adhesive. Refer to the individual Product Data Sheets for substrate preparation.

APPLICATION

SikaCeram® Sealing Membrane W as a decoupling layer:

Membrane application

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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.

MAINTENANCE REQUIREMENTS

No maintenance of the Sika membrane system will be required, provided that significant substrate movement does not occur within the impervious wall / floor lining or finish that has been applied over the top. Regular checks of the wall / floor finish must be made to ensure that it is sound and will not allow moisture to penetrate it. Any cracks or damage must be repaired immediately, in consultation with the supplier of the lining system

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.

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.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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12/12/2024 File version 1.0
02179020610000019

NZBPIS-94039-7502-7502-en-GB-1.0