

SikaCeram[®] Sealing Membrane W

DECLARATION OF PERFORMANCE

No. 49200182

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	49200182
2	INTENDED USE/S	ETA-19/0076 / ETAG 022, Part 2, Edition November 2010, used as European Assessment Document (EAD) Watertight covering kit for wet room floors and walls based on flexible sheets
3	MANUFACTURER:	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 2+
6b	EUROPEAN ASSESSMENT DOCUMENT:	Guideline for European Technical Approval ETAG No 022 Watertight covering kits for wet room floors and/or walls, Part 2: Kits based on flexible sheets, Edition November 2010, used as European Assessment Document (EAD).
	European Technical Assessment:	ETA-19/0076 of 2019/04/12
	Technical Assessment Body:	ETA-DANMARK A/S
	Notified body/ies:	0761

Characteristic**Assessment of characteristic****2.2 Safety in case of fire (BWR2)**

Reaction to fire

SikaCeram® Sealing Membrane W applied to massive mineral material of euro class A1 or A2-s1 d0 with a density $\geq 1350 \text{ kg/m}^3$ and a thickness $\geq 8 \text{ mm}$ has a reaction to fire classification in accordance with EN 13501-1 of **Euroclass E**

2.3 Hygiene, health and the environment (BWR3)

Vapour permeability

The vapour permeability of the SikaCeram® Sealing Membrane W membrane without primer when tested at climatic conditions 23°C and RH 75/100 % has the **sd value of the membrane is 92 m**

The vapour permeability of the SikaCeram® Sealing Membrane W membrane without primer when tested at climatic conditions 23°C and RH 93/50 % has the **sd value of the membrane is 95 m**

Water tightness

According to EN 1928 method B for 7 days at 1,5 bar.
Watertight = Pass

Crack bridging ability

Assessment category 3: Crack width 1,5 mm

Bond strength

SikaCeram® Sealing Membrane W and each of the tile adhesives mentioned in section 1 of this ETA on a concrete substrate all comply **with Assessment category 2:** Bond strength $> 0,3 \text{ MPa}$

SikaCeram® Sealing Membrane W membrane and each of the tile adhesives mentioned in section 1 of this ETA on substrates*) of calcium silicate boards, gypsum boards, fiber cement boards, cement-based boards and watertight boards made from a polystyrene core comply with **Assessment category 2:** Bond strength $> 0,3 \text{ MPa}$

Scratching resistance

No performance determined (NPD)

Joint bridging ability

According to annex B of ETAG 022 with a 2 mm gap, SikaCeram® Sealing Membrane W adhered to the substrate with 750 g/m² SikaCeram® Sealing Fix. **Assessment category 2:** Watertight

Water tightness around penetrations

Based on an assessment of the manufacturer's descriptions, drawings and installation instruction and the result of the testing of SikaCeram® Sealing Membrane W adhered to the substrate with SikaCeram® Sealing Fix, applying all overlaps and Sika reinforcement**) with SikaCeram® Sealing Fix comply with: **Assessment category 2: Pass**

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Joint strength No performance determined (NPD)

Flexibility No performance determined (NPD)

2.7 Related aspects of durability and serviceability

Dimensional stability SikaCeram® Sealing Membrane W tested in accordance with EN 1107 and sampled according to EN 13416 at climate conditions the temperature 23 ± 2 °C and RH $50 \pm 5\%$ has declared values:
Longitudinal direction (MD): $\bar{X}_{\Delta L} = -0,3$ %
Transverse direction (CMD): $\bar{X}_{\Delta L} = -0,1$ %

Resistance to temperature The tensile strength and the strain at maximum force of a sample of SikaCeram® Sealing Membrane W were determined before and after heat exposure. The deviation before and after ageing was considerably lower than 20% and therefore no further investigations are required to assess that the resistance to temperature. **Assessment category: Pass**

Resistance to water SikaCeram® Sealing Membrane W adhered to a concrete substrate and tested with the all the listed tile adhesives mentioned in section 1 according to paragraph A.6.3 of EN 14891 all have a bond strength equivalent to the assessment category after water ageing and therefore fulfil the requirements **Assessment category: Pass**

Resistance to alkalinity The tensile strength and the strain at maximum force of a sample of SikaCeram® Sealing Membrane W were determined before and after alkaline exposure. The deviation before and after ageing was considerably lower than 20% and therefore no further investigations are required to assess that the resistance to alkalinity. **Assessment Category 2:** EN 1847 at 50 °C for 16 weeks

Repairability No performance determined (NPD)

Thickness The thickness of the SikaCeram® Sealing Membrane W is determined to be 0,49 mm. Mass per unit area = 209 g/m²

Applicability Applicable

2.8 Sustainable use of natural resources (BWR7) No performance determined (NPD)

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Aspects related to the performance of the product

The European Technical Assessment is issued for the product on the basis of agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide whether or not such changes affect the ETA and consequently the validity of the CE marking on the basis of the ETA and if so whether further assessment or alterations to the ETA, shall be necessary. The performance of the watertight membrane kit results from the characteristic values and categories. The supplementing statements of the manufacturer stated in the MTD for design and application of the watertight system for creating a watertight covering under wearing surface for floors and walls in indoor wet areas shall be considered. The performance of the watertight membrane can be assumed only, if the following aspects are considered: only those components which are specified components of the kit can be used, the appropriate tools shall be used and adjuvant, precautions shall be taken, inspecting the substrate surface for cleanliness and correct treatment, inspection in the process of establishing the kit and of the finished watertight membrane and documentation of the results. The information as to the handling of waste products shall be observed. It is the manufacturer's responsibility to make sure that all those who utilize the kit will be appropriately informed about the specific conditions according to this ETA and the not confidential parts of the MTD deposited to this ETA

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**8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR -
SPECIFIC TECHNICAL DOCUMENTATION**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name: Nikos Anagnostopoulos
Function: TMM Refurbishment
At Athens on 23 April 2020

Name: Alexandros Melissourgos
Function: Technical Manager
At Athens on 23 April 2020


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End of information as required by Regulation (EU) No 305/2011

FULL CE MARKING

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Sika Services AG, Zurich, Switzerland	
49200182	
ETAG 022, Part 2, Edition November 2010, used as (EAD)	
Notified Body 0761	
Watertight covering kit for wet room floors and walls based on flexible sheets	
Characteristic	Assessment of characteristic
2.2 Safety in case of fire (BWR2)	
Reaction to fire	SikaCeram® Sealing Membrane W applied to massive mineral material of euro class A1 or A2-s1 d0 with a density $\geq 1350 \text{ kg/m}^3$ and a thickness $\geq 8 \text{ mm}$ has a reaction to fire classification in accordance with EN 13501-1 of <u>Euroclass E</u>
2.3 Hygiene, health and the environment (BWR3)	
Vapour permeability	The vapour permeability of the SikaCeram® Sealing Membrane W membrane without primer when tested at climatic conditions 23°C and RH 75/100 % has the <u>sd value of the membrane is 92 m</u> The vapour permeability of the SikaCeram® Sealing Membrane W membrane without primer when tested at climatic conditions 23°C and RH 93/50 % has the <u>sd value of the membrane is 95 m</u>
Water tightness	According to EN 1928 method B for 7 days at 1,5 bar. <u>Watertight = Pass</u>
Crack bridging ability	<u>Assessment category 3:</u> Crack width 1,5 mm
Bond strength	SikaCeram® Sealing Membrane W and each of the tile adhesives mentioned in section 1 of this ETA on a concrete substrate all comply <u>with Assessment category 2:</u> Bond strength $> 0,3 \text{ MPa}$

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	<p>SikaCeram® Sealing Membrane W membrane and each of the tile adhesives mentioned in section 1 of this ETA on substrates*) of calcium silicate boards, gypsum boards, fiber cement boards, cement-based boards and watertight boards made from a polystyrene core comply with</p> <p>Assessment category 2: Bond strength > 0,3 MPa</p>
Scratching resistance	No performance determined (NPD)
Joint bridging ability	According to annex B of ETAG 022 with a 2 mm gap, SikaCeram® Sealing Membrane W adhered to the substrate with 750 g/m ² SikaCeram® Sealing Fix. Assessment category 2: Watertight
Water tightness around penetrations	Based on an assessment of the manufacturer's descriptions, drawings and installation instruction and the result of the testing of SikaCeram® Sealing Membrane W adhered to the substrate with SikaCeram® Sealing Fix, applying all overlaps and Sika reinforcement**) with SikaCeram® Sealing Fix comply with:
Joint strength	Assessment category 2: Pass No performance determined (NPD)
Flexibility	No performance determined (NPD)
2.7 Related aspects of durability and serviceability	
Dimensional stability	<p>SikaCeram® Sealing Membrane W tested in accordance with EN 1107 and sampled according to EN 13416 at climate conditions the temperature</p> <p>23 ± 2 °C and RH 50 ± 5% has declared values:</p> <p>Longitudinal direction (MD): $\bar{X}_{\Delta L} = -0,3 \%$</p> <p>Transverse direction (CMD): $\bar{X}_{\Delta L} = -0,1 \%$</p>
Resistance to temperature	The tensile strength and the strain at maximum force of a sample of SikaCeram® Sealing Membrane W were determined before and after heat exposure. The deviation before and after ageing was considerably lower than 20% and therefore no further investigations are required to assess that the resistance to temperature. Assessment category: Pass
Resistance to water	SikaCeram® Sealing Membrane W adhered to a concrete substrate and tested with the all the listed tile adhesives mentioned in section 1 according to paragraph A.6.3 of EN 14891 all have a bond strength equivalent to the assessment category after water ageing and therefore fulfil the requirements Assessment category: Pass

Resistance to alkalinity

The tensile strength and the strain at maximum force of a sample of SikaCeram® Sealing Membrane W were determined before and after alkaline exposure. The deviation before and after ageing was considerably lower than 20% and therefore no further investigations are required to assess that the resistance to alkalinity.

Assessment Category 2: EN 1847 at 50 °C for 16 weeks

Repairability

No performance determined (NPD)

Thickness

The thickness of the SikaCeram® Sealing Membrane W is determined to be 0,49 mm. Mass per unit area = 209 g/m²

Applicability

Applicable

2.8 Sustainable use of natural resources (BWR7)

No performance determined (NPD)

Aspects related to the performance of the product

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CE MARKING TO BE PLACED ON THE LABEL

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ETAG 022, Part 2, Edition November 2010, used as (EAD)
Notified Body 0761
Watertight covering kit for wet room floors and walls based on flexible sheets
For details see accompanying documents
dop.sika.com

ECOLOGY, HEALTH AND SAFETY INFORMATION (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 NOTE

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 Sikas 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 products 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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