

Sikalastic®-560

DECLARATION OF PERFORMANCE

No. 38724926

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT- TYPE:	38724926
2	INTENDED USE/S	ETA-12/0308/ ETAG 005, part 1-8, edition 2004, used as European Assessment Document (EAD) Liquid Applied Roof Waterproofing Kit, based on Water Dispersible polymers
3	MANUFACTURER:	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 3
6b	EUROPEAN ASSESSMENT DOCUMENT:	ETAG 005, part 1-8, edition 2004, used as European Assessment Document (EAD)
	European Technical Assessment:	ETA-12/0308 of 07/03/2018
	Technical Assessment Body:	INSTITUTO DE CIENCIAS DE LA CONSTRUCCION EDUARDO TORROJA (IETCC)
	Notified body/ies:	1219

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7 DECLARED PERFORMANCE/S

LARWK Characteristics

Safety in case of fire ((BWR 2)

External fire performance. Classification: B_{roof}(t1) according EN 13501-5 for supports non-combustible with a roof pitches < 20° and NPA for combustible supports.

Reaction to fire. NPA

Hygiene, health and environment (BWR 3)

Resistance to water vapor (EN 1931). $\mu = 1226$

Watertightness (EOTA TR-003). Watertight

Statement of dangerous substances. According to the manufacturer's declaration taking account of EOTA TR 034, the product installed does not contain and release any dangerous substance.

Resistance to wind loads (EOTA TR-4). Pass (>50 kPa)

Resistance to dynamic indentation (EOTA TR- 6). Resistance Level: I4

Resistance to static indentation (EOTA TR-7). Resistance Level: Steel L2 and XPS L3

Resistance to fatigue movement (500 cycles) (EOTA TR-8). Pass

Resistance to low temperatures effects (-20°C). Dynamic indentation, R. Level: Steel I4 and XPS I2.

Resistance to high temperatures effects. Static indentation

Support	90°C (N)	80°C(N)	60°C (N)	Level of resistance
Steel	70	70	150	L1/L1/L2
XPS	150	150	150	L2

Resistance to heat ageing (EOTA TR-11). The samples are exposed to 70°C during 400 days.

Properties	Values
Fatigue movement	Pass
Dynamic indentation (-20°C) (steel/ XPS)	I3 / I1
Tensile strength (MPa) (EN ISO 527-3) (without reinforcement)(Initial/ageing)	1,3 / 2,8
Tensile elongation (%) (EN ISO 527-3) (without reinforcement)(Initial/ageing)	274 / 365

Resistance to UV-radiation in the presence of moisture (EOTA TR- 10). The samples are exposed 2000 hours to UV-radiation.

Properties	Values
Dynamic indentation (-10°C) (steel/ XPS)	I4 / I3
Tensile strength (MPa) (Type 2) (EN ISO 527-3) (without reinforcement)(Initial/ageing)	1,32 / 2,8
Tensile elongation (%) (EN ISO 527-3) (without reinforcement)(Initial/ageing)	274 / 365

Resistance to hot water ageing (EOTA TR-12).The samples are kept in touch with water at 60°C over 30 days.

Static indentation on	Temperature	Loadga (N)	Resistance Level
Steel	90°C /80°C /60°C	70	L1
XPS	90°C /80°C /60°C	150	L2

Resistance to wind loads Pass (>50 kPa).

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Resistance to plant roots (EN 13948). NPA

Safety in use (BWR 4)

Slipperiness (EN 13893). NPA.

Related aspects of serviceability

Effect of weather conditions. The system does show changes in its tensile properties and dynamic indentation, when the system is assembled and cured under two temperature conditions of 5°C and 40°C, and these values obtained complied with the manufacturer's specifications (pass).

Effect of day joints. The delamination strength test performed on an layer assembled over other one, it does not show an delamination strength decrease upper 20% of the value obtained in the layer assembled over the concrete support (pass).

3.2 Characteristics of the components

The characteristics of the components of this System show the following values, which compliance with their respective tolerances stated in the Manufacture Technical Dossier (MTD).

SIKALASTIC 560. Waterproofing liquid constituted by a water dispersible styrene - acrylic copolymers, with loads and pigments mineral, and additives (anti-air entering, biocides, etc.). The main characteristics of this waterproof liquid are:

Properties	SIKALASTIC 560
Density (g/cm ³) (ISO 1675)	1.270 - 1.330
Dry extract (105°C) (% weight) (EN 1768)	63,5 - 65,5
Ash content (450°C) (% weight) (EN 1879)	30 - 36

SIKALASTIC FLEECE 120. Internal layer by polyester fiber used as reinforcement of the membrane

Properties	SIKA FLEECE 120
Mass per unit area (g/m ²) (EN 29073-1)	120 ± 10
Tensile elongation (%) (EN 29073-3)	210 - 290
Tensile strength (N/5cm) (EN 29073-2)	70 - 90

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Annex 1.

Characteristics of the System "SIKALASTIC 560"

Minimum thickness	1,2 mm
Water vapor diffusion resistant factor	$\mu \approx 1226$
Resistance to wind loads	> 50 kPa
Resistance to plant roots	NPA
Statement on dangerous substances	Does not contain any
Resistance to slipperiness	NPA

Performance levels according to the intended use

External fire performance	Broof (t1) for supports non-combustible with a roof pitches < 20° and NPA for combustible supports.
Fire reaction	F: NPA
Expected working life	W3
Climatic zone of use	S (Severe)
User loads	P1
Roofs slopes	S1-S4
Minimum surface temperatures	TL3 (- 20°C)
Maximum surface temperatures	TH4 (90°C)

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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.

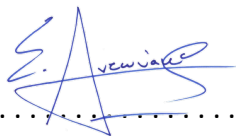
Signed for and on behalf of the manufacturer by:

Name: Stamatis Antonakos
Function: Target Market Manager
Waterproofing & Roofing

Name: Angeliki Zacharopoulou
Function: QEHS Manager

At Athens on 21 December 2021

At Athens on 21 December 2021


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

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FULL CE MARKING

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Sika Services AG, Zurich, Switzerland
38724926
ETAG 005, Part 1-8, edition 2004, used as EAD
Notified Body 1219
Liquid Applied Roof Waterproofing Kit, based on Water Dispersible polymers

LARWK Characteristics

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Climatic zone of use	S (Severe)
User loads	P1
Roofs slopes	S1-S4
Minimum surface temperatures	TL3 (- 20°C)
Maximum surface temperatures	TH4 (90°C)

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CE MARKING TO BE PLACED ON THE LABEL

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38724926
ETAG 005, Part 1-8, edition 2004, used as EAD
Notified Body 1219
Liquid Applied Roof Waterproofing Kit, based on Water Dispersible polymers
For details see accompanying documents
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ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

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 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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