BUILDING TRUST

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

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). μ = 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 (-20ºC). 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 70ºC 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 identation 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).

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

Annex 1.

Characteristics of the System “SIKALASTIC 560"

Minimum thickness	1,2 mm
Water vapor diffusion resistant factor	μ ≈ 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)

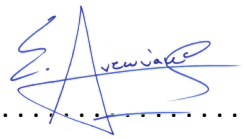
8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR - SPECIFIC TECHNICAL DOCUMENTATION

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

At Athens on 21 December 2021



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Name: Angeliki Zacharopoulou
Function: QEHS Manager

At Athens on 21 December 2021

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

FULL CE MARKING

CE
20
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

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CE MARKING TO BE PLACED ON THE LABEL

CE 20
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
For details see accompanying documents
dop.sika.com

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.

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