BUILDING TRUST

Sikalastic®-625 N

DECLARATION OF PERFORMANCE
No. 35704611

1	**UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:**	35704611
2	**INTENDED USE/S**	ETA-20/1023 / EAD-030350-00-0402 Liquid-applied roof waterproofing using kits based on polyurethane
3	**MANUFACTURER:**	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	**AUTHORISED REPRESENTATIVE:**	
5	**SYSTEM/S OF AVCP:**	System 3
6b	**EUROPEAN ASSESSMENT DOCUMENT:**	European Assessment document (EAD) no. EAD 030350-00-0402 for Liquid applied roof waterproofing kits
	European Technical Assessment:	ETA-20/1023 of 2020/12/20
	Technical Assessment Body:	ETA-Danmark A/S
	Notified body/ies:	

7 DECLARED PERFORMANCE/S

7.1 Mechanical resistance and stability (BWR 1)

Not relevant.

7.2 Safety in case of fire (BWR 2)

Characteristic	Method	Classification
External fire performance	DD CEN/TS 1187 : 2012, Tests 1 and 4, Classified to EN 13501-5 : 2016	See Annex A
Reaction to fire	EN ISO 11925-2 : 2010, Classified to EN 13501-1 : 2018	See Annex A

7.3 Health, hygiene and the environment (BWR 3)

Characteristic	Method	Category
Resistance to water vapour	EN 1931 : 2000	See Annex A
Watertightness	EOTA TR-003	See Annex A
Resistance to wind loads	EOTA TR-004	See Annex A
Resistance to dynamic indentation	EOTA TR-006	See Annex A
Resistance to static indentation	EOTA TR-007	See Annex A
Resistance to fatigue movements	EOTA TR-008	See Annex A
Effect of low surface temperatures	EOTA TR-006	See Annex A
Extreme low temperatures	EOTA TR-006 EOTA TR-013	See Annex A
Effects of high surface temperature	EOTA TR-007	See Annex A
Resistance to heat ageing	EOTA TR-011 EN ISO 527-4 : 1997 EOTA TR-006 EOTA TR-008	See Annex A
UV radiation in the presence of water	EOTA TR-010 EN ISO 527-4 : 1997 EOTA TR-006	See Annex A
Resistance to water ageing	EOTA TR-012 EOTA TR-004 EOTA TR-007	See Annex A
Root resistance	EN 13948 : 2007	NPD
Content and/or release of dangerous substances(1)	EOTA TR-034	NPD

(1) The manufacturer has made a declaration that the product does not contain any dangerous substances.

7.4 Safety and accessibility in use (BWR 4)

Characteristic	Method	Category
Resistance to wind loads	EOTA TR-004	See Annex A
Resistance to water ageing	EOTA TR-012 EOTA TR-004	See Annex A
Slipperiness	SS 92 3515	See Annex A

7.5 Protection against noise (BWR 5)

Not relevant.

7.6 Energy economy and heat retention (BWR 6)

Not relevant.

7.7 Sustainable use of natural resources (BWR 7)

Not relevant.

7.8 Related aspects to serviceability

Characteristic	Method	Category
Comparative testing of dynamic indentation – variation in installation temperature	EN ISO 527-4 : 1997 EOTA TR-006	See Annex A
Effects of day joints	EOTA TR-004	See Annex A

ANNEX A CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC -625 N FULLY REINFORCED KIT

This annex applies to the Sikalastic -625 N fully reinforced kit roof waterproofing kit used to produce the system described in the main body of the European Technical Assessment.

The substrate applicable to this kit are defined in the main body of the European Technical Assessment. The

kit has the following characteristics:

- water vapour resistance factor (μ) — 1427
- water vapour diffusion – equivalent air layer thickness (S_d) — 2.82 m
- resistance to wind loads — >50 kPa
- assembled kit thickness — 1.5 mm.

The categorisation of levels of performance in accordance with EAD-030350-00-0402 are:

- External fire performance — $B_{ROOF}(t1)^{(1)(2)}$, $B_{ROOF}(t4)^{(1)(3)}$
- Reaction to fire – Euroclass E
- Categorisation by working life — W3
- Categorisation by climatic zones — M and S
- Categorisation by imposed loads — P3 to P4
- Categorisation by roof slope — S1 to S4
- Categorisation by surface
  temperature lowest — TL4
  highest — TH4
- Statement on dangerous substances — NPD
- Root resistance — NPD
- Slipperiness — see below

[slope (°)/friction coefficient]:
no grit (dry) 18.7/0.34
grit at 0.25 kg·m^{-2} (dry) 29.0/0.55
grit at 1.00 kg·m^{-2} (dry) 32.0/0.62
no grit (wet) 16.7/0.30
grit at 0.25 kg·m^{-2} (wet) 28.3/0.54
grit at 1.00 kg·m^{-2} (wet) 32.0/0.62.

(1) The system tested consisted of a 12 mm plywood substrate, Primer 610, VCL S-Vap 5000E SA, a 0.6 mm self-adhesive membrane, polyurethane adhesive, 80 mm PIR insulation board with glass facings, Primer 610, Carrier membrane S-Vap 5000E SA, a 0.6 mm self- adhesive membrane, one coat of Sikalastic -625 N applied at 1.0 ℓ·m^{-2}, a layer of Sika Reemat Premium and one coat of Sikalastic -625 N applied at 1.0 ℓ·m^{-2}.
(2) The system tested consisted 6 mm thick calcium silicate board, Primer 610, 2.6 mm thick SBS modified bitumen roofing membrane, one coat of Sikalastic -625 N applied at 1.0 ℓ·m^{-2}, a layer of Sika Reemat Premium and one coat of Sikalastic -625N applied at 1.0 ℓ·m^{-2}.
(3) The system tested consisted of a 6 mm thick calcium silicate board, one coat of Sikalastic -625 N applied at 1.0 ℓ·m^{-2}, a layer of Sika Reemat Premium and one coat of Sikalastic -625 N applied at 1.0 ℓ·m^{-2}.

ANNEX B CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC -625 N LOCALLY REINFORCED KIT

This annex applies to the Sikalastic -625 N locally reinforced kit roof waterproofing kit used to produce the system described in the main body of the European Technical Assessment.

The substrate applicable to this kit are defined in the main body of the European Technical Assessment.

The kit has the following characteristics:

- water vapour resistance factor (μ) — 926
- water vapour diffusion – equivalent air layer thickness (S_d) — 1.83 m
- resistance to wind loads — >50 kPa
- assembled kit thickness — 0.7 mm.

The categorisation of levels of performance in accordance with EAD-030350-00-0402 are:

- External fire performance — $B_{ROOF}(t1)^{(1)}$, $B_{ROOF}(t4)^{(1)(2)}$
- Reaction to fire — Euroclass E
- Categorisation by working life — W2
- Categorisation by climatic zones — M and S
- Categorisation by imposed loads — P3
- Categorisation by roof slope — S1 to S4
- Categorisation by surface
  temperature lowest — TL3
  highest — TH3
- Statement on dangerous substances — NPD
- Root resistance — NPD
- Slipperiness — NPD.

(1) The system tested consisted of a 6 mm thick calcium silicate board, one coat of Sikalastic -625 N applied at 0.5. ℓ·m^{-2} and one coat of Sikalastic -625 N applied at 0.5 ℓ·m^{-2}.
(2) The system tested consisted of a 1.3 mm thick plastisol coated steel sheet, one coat of Sikalastic -625 N applied at 0.5. ℓ·m^{-2} and one coat of Sikalastic -625 N applied at 0.5 ℓ·m^{-2}.

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 : Tomasz Gutowski
Function: Corporate Standardization and Approvals
At Warsaw on 29 January 2021

. .. .

Name : Tatiana Ageyeva
Function: Standardization and Approvals
At Warsaw on 29 January 2021

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

CE

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Sika Services AG, Zurich, Switzerland

35704611

EAD-030350-00-0402

Liquid-applied roof waterproofing using kits based on polyurethane

water vapour resistance factor (μ)	1427
water vapour diffusion – equivalent air layer thickness (S_d)	2.82 m
resistance to wind loads	>50 kPa
assembled kit thickness	1.5 mm
external fire performance	$B_{ROOF}(t1)^{(1)}$, $B_{ROOF}(t4)^{(1)}$
reaction to fire	Euroclass E
categorisation by working life	W3
categorisation by climatic zones	M and S
categorisation by imposed loads	P3 to P4
categorisation by roof slope	S1 to S4
categorisation by surface temperature	lowest — TL4 highest — TH4
Slipperiness	no grit (dry) 18.7/0.34 grit at 0.25 $kg \cdot m^{-2}$ (dry) 29.0/0.55 grit at 1.00 $kg \cdot m^{-2}$ (dry) 32.0/0.62 no grit (wet) 16.7/0.30

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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

Sika Services AG
Tüffenwies 16-22
8064 Zürich
Switzerland
www.sika.com