

BUILDING TRUST

Sikalastic®-641

DECLARATION OF PERFORMANCE

No. 79392758

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	79392758
2	INTENDED USE/S	ETA-14/0177/ ETAG 005, Part 1 and Part 6, edition March 2000 (Revised March 2004), used as European Assessment Document (EAD) 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:	The Guideline for European Technical Approval (ETAG) of Liquid Applied Roof Waterproofing Kits 005 Part 1: General and Part 6 Specific Stipulations for Kits Based on Polyurethane Edition March 2000 (Revised March 2004) used as the European Assessment Document (EAD).
	European Technical Assessment:	ETA-14/0177 of 16/05/2017
	Technical Assessment Body:	British Board of Agrément (BBA)
	Notified body/ies:	0836

Declaration of Performance

7 DECLARED PERFORMANCE/S

3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

3.2 Safety in case of fire (BWR 2)

Characteristic	Method	Classification
External fire performance	ENV 1187 : 2002 Tests 1 and 4 Classified to EN 13501-5 : 2005 + A1 : 2009	See Annex A
Reaction to fire	EN ISO 11925-2 : 2010 Classified to EN 13501- 1 : 2007 + A1 : 2009	See Annex A

3.3 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	NPD
Effects of high surface temperature	EOTA TR-007	See Annex A
Resistance to heat ageing	EOTA TR-011 EN ISO 527-4 : 1996 EOTA TR-006 EOTA TR-008	See Annex A
UV radiation in the presence of water	EOTA TR-010 EN ISO 527-4 : 1996 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.

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3.4 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

3.5 Protection against noise (BWR 5)

Not relevant.

3.6 Energy economy and heat retention (BWR 6)

Not relevant.

3.7 Sustainable use of natural resources (BWR 7)

Not relevant.

3.8 Related aspects to serviceability

Characteristic	Method	Category
Comparative testing of dynamic indentation – variation in installation temperature	EN ISO 527-4 : 1996 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 -641

This annex applies to the Sikalastic -641 roof waterproofing kit used to produce the Economic System and Standard System described in the main body of the European Technical Assessment.

The substrates 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) 1.3 mm 3082
- resistance to wind loads >50 kPa
- assembled kit thickness 1.3 and 1.5 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

External fire performance

 $B_{ROOF}(t1)^{(1)}$ $B_{ROOF}(t4)^{(1)}$

- Reaction to fire Euroclass E
- Categorisation by working life W2
- Categorisation by climatic zones M and S
- Categorisation by imposed loads P2 to P4
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature

lowest — TL3 highest — TH4

- Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

Slope(°)/friction coefficient
18.7/0.34
29.0/0.55
32.0/0.62
16.7/0.30
28.3/0.54
32.0/0.62.

(1) The system tested consisted of an 18 mm plywood substrate, one layer of S-vap 5000E SA self-adhesive vapour control layer, Decostik SP polyurethane adhesive applied at $100 \text{ g} \cdot \text{m}^{-2}$, 80 mm glass fiber faced polyisocyanurate insulation board, Primer 600 applied at $150 \text{ g} \cdot \text{m}^{-2}$, one layer of Carrier Membrane SA, one coat of Sikalastic -641 applied at $1.0 \text{ l} \cdot \text{m}^{-2}$, a layer of Sika Reemat Premium and one coat of Sikalastic-641 applied at $0.5 \text{ l} \cdot \text{m}^{-2}$.

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ANNEX B CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC -641

This annex applies to the Sikalastic -641 roof waterproofing kit used to produce the Enhanced System and Premium System described in the main body of the European Technical Assessment.

The substrates 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)
 1.8 mm 2878
 2.2 mm 2782
- resistance to wind loads >50 kPa
- assembled kit thickness 1.8 and 2.2 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

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 P2 to P4
- Categorisation by roof slope S1 to S4
- · Categorisation by surface temperature

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lowest — Enhanced System TL3, Premium System TL4 highest — TH4
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- Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

	Slope(°)/friction coefficient
no Skid-Inhibiting Grit (dry)	18.7/0.34
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (dry)	29.0/0.55
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (dry)	32.0/0.62
no Skid-Inhibiting Grit (wet)	16.7/0.30
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (wet)	28.3/0.54
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (wet)	32.0/0.62.

⁽¹⁾ The system tested consisted of an 18 mm plywood substrate, one layer of S-vap 5000E SA self-adhesive vapour control layer, Decostik SP polyurethane adhesive applied at $100 \, \mathrm{g \cdot m^{-2}}$, 80 mm glass fibre faced polyisocyanurate insulation board, Primer 600 applied at 150 g·m⁻², one layer of Carrier Membrane SA, one coat of Sikalastic -641 applied at 1.25 $\ell \cdot m^{-2}$, a layer of Sika Reemat Premium and one coat of Sikalastic - 641 applied at 0·6 $\ell \cdot m^{-2}$.

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ANNEX C CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC -641

This annex applies to the Sikalastic -641 roof waterproofing kit used to produce the Premium Fleece System described in the main body of the European Technical Assessment.

The substrates 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)
 2.2 mm 2782
- resistance to wind loads >50 kPa
- assembled kit thickness 2.2 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

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 P4
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature lowest TL4 highest — TH4
- Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

	Slope(°)/friction coefficient
no Skid-Inhibiting Grit (dry)	18.7/0.34
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (dry)	29.0/0.55
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (dry)	32.0/0.62
no Skid-Inhibiting Grit (wet)	16.7/0.30
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (wet)	28.3/0.54
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (wet)	32.0/0.62.

⁽¹⁾ The system tested consisted of an 18 mm plywood substrate, one layer of S-vap 5000E SA self-adhesive vapour control layer, Decostik SP polyurethane adhesive applied at $100 \, \mathrm{g \cdot m^{-2}}$, 80 mm glass fibre faced polyisocyanurate insulation board, Primer 600 applied at $150 \, \mathrm{g \cdot m^{-2}}$, one layer of Carrier Membrane SA, one coat of Sikalastic -641 applied at $1.25 \, \mathrm{l \cdot m^{-2}}$, a layer of Sika Reemat Premium and one coat of Sikalastic - 641 applied at $0.6 \, \mathrm{l \cdot m^{-2}}$.

Declaration of Performance



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: TMM Roofing &

Waterproofing

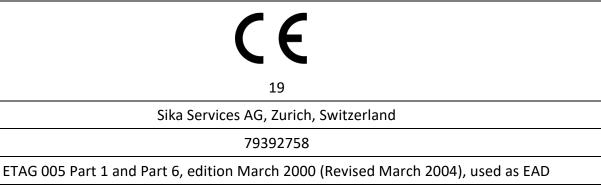
At Athens on 12 December 2019

Name: Alexandros Melissourgos Function: Technical Manager

At Athens on 12 December 2019

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

FULL CE MARKING



Net'Ced Bed 2020

Notified Body 0836

Liquid-applied roof waterproofing using kits based on polyurethane

3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

3.2 Safety in case of fire (BWR 2)

Characteristic	Method	Classification
External fire	ENV 1187: 2002 Tests 1 and 4 Classified to EN	See Annex A
performance	13501-5 : 2005 + A1 : 2009	See Allilex A
Reaction to fire	EN ISO 11925-2 : 2010 Classified to EN 13501- 1 : 2007 + A1 : 2009	See Annex A



3.3 Health, hygiene and the environment (BWR 3)

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Effects of high surface temperature	EOTA TR-007	See Annex A
Resistance to heat ageing	EOTA TR-011 EN ISO 527-4 : 1996 EOTA TR-006 EOTA TR-008	See Annex A
UV radiation in the presence of water	EOTA TR-010 EN ISO 527-4 : 1996 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

3.4 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	

3.5 Protection against noise (BWR 5)

Not relevant.

3.6 Energy economy and heat retention (BWR 6)

Not relevant.

3.7 Sustainable use of natural resources (BWR 7)

Not relevant.

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3.8 Related aspects to serviceability

Characteristic	Method	Category
Comparative testing of dynamic indentation – variation in installation temperature	EN ISO 527-4 : 1996 EOTA TR-006	See Annex A
Effects of day joints	EOTA TR-004	See Annex A

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- resistance to wind loads >50 kPa
- assembled kit thickness 1.3 and 1.5 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

External fire performance

Broof(t1)⁽¹⁾
Broof(t4)⁽¹⁾

- Reaction to fire Euroclass E
- Categorisation by working life W2
- Categorisation by climatic zones M and S
- Categorisation by imposed loads P2 to P4
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature

lowest — TL3 highest — TH4

- Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

Slope(°)/friction coefficient
18.7/0.34
29.0/0.55
32.0/0.62
16.7/0.30
28.3/0.54
32.0/0.62.

(2) The system tested consisted of an 18 mm plywood substrate, one layer of S-vap 5000E SA self-adhesive vapour control layer, Decostik SP polyurethane adhesive applied at $100 \text{ g} \cdot \text{m}^{-2}$, 80 mm glass fiber faced polyisocyanurate insulation board, Primer 600 applied at $150 \text{ g} \cdot \text{m}^{-2}$, one layer of Carrier Membrane SA, one coat of Sikalastic -641 applied at $1.0 \text{ l} \cdot \text{m}^{-2}$, a layer of Sika Reemat Premium and one coat of Sikalastic-641 applied at $0.5 \text{ l} \cdot \text{m}^{-2}$.

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The kit has the following characteristics:

- water vapour resistance factor (μ)
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 2.2 mm 2782
- resistance to wind loads >50 kPa
- assembled kit thickness 1.8 and 2.2 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

External fire performance

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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 P2 to P4
- Categorisation by roof slope S1 to S4
- · Categorisation by surface temperature

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lowest — Enhanced System TL3, Premium System TL4 highest — TH4
```

- Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

	Slope(°)/friction coefficient
no Skid-Inhibiting Grit (dry)	18.7/0.34
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (dry)	29.0/0.55
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (dry)	32.0/0.62
no Skid-Inhibiting Grit (wet)	16.7/0.30
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (wet)	28.3/0.54
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(2) The system tested consisted of an 18 mm plywood substrate, one layer of S-vap 5000E SA self-adhesive vapour control layer, Decostik SP polyurethane adhesive applied at $100 \, \mathrm{g \cdot m^{-2}}$, 80 mm glass fibre faced polyisocyanurate insulation board, Primer 600 applied at 150 g·m⁻², one layer of Carrier Membrane SA, one coat of Sikalastic -641 applied at 1.25 $\ell \cdot m^{-2}$, a layer of Sika Reemat Premium and one coat of Sikalastic - 641 applied at 0·6 $\ell \cdot m^{-2}$.

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ANNEX C CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC -641

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The substrates 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)
 2.2 mm 2782
- resistance to wind loads >50 kPa
- assembled kit thickness 2.2 mm

The categorisation of levels of performance in accordance with ETAG 005 are:

• 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 P4
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature lowest TL4 highest — TH4
- · Statement on dangerous substances none contained
- Root resistance NPD
- Slipperiness

	Slope(°)/friction coefficient
no Skid-Inhibiting Grit (dry)	18.7/0.34
Skid-Inhibiting Grit at 0.25 kg·m ⁻² (dry)	29.0/0.55
Skid-Inhibiting Grit at 1.00 kg·m ⁻² (dry)	32.0/0.62
no Skid-Inhibiting Grit (wet)	16.7/0.30
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CE MARKING TO BE PLACED ON THE LABEL



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Sika Services AG, Zurich, Switzerland

79392758

ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD

Notified Body 0836

Liquid-applied roof waterproofing using kits based on polyurethane

For details see accompanying documents

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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 the 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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