

BUILDING TRUST

Sikalastic[®]-621 TC DECLARATION OF PERFORMANCE

<u>No. 57619934</u>

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT- TYPE:	57619934
2	INTENDED USE/S	ETA-09/0139/ ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as 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:	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-09/0139 of 28/09/2018
	Technical Assessment Body:	British Board of Agrément (BBA)
	Notified body/ies:	0836

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	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.

Declaration of Performance Sikalastic®-621 TC 57619934 2019.03 , ver. 01 1148



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 of 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 SIKAROOF MTC 12

This annex applies to the SikaRoof MTC 12 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 transmission 6. 6 g·m⁻²·day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.3 mm

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

- External fire performance NPD⁽¹⁾
- Reaction to fire NPD
- Categorisation by working life W2
- Categorisation by climatic zones M and S
- Categorisation by imposed loads P1 to P2
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature
 - lowest TL3
 - highest TH4
- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.

Declaration of Performance Sikalastic[®]-621 TC 57619934 2019.03 , ver. 01 1148



ANNEX B CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 15

This annex applies to the SikaRoof MTC 15 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 transmission 6.5 g⋅m⁻²⋅day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.5 mm

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

- External fire performance BROOF(t1) BROOF(t2) BROOF(t3) BROOF(t4)
- Reaction to fire NPD
- 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
 - ${\rm lowest-TL3}$
 - highest TH4
- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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



ANNEX C CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 18

This annex applies to the SikaRoof MTC 18 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 transmission 5.8 g⋅m⁻²⋅day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.8 mm

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

- External fire performance⁽¹⁾ B_{ROOF}(t1) B_{ROOF}(t2) B_{ROOF}(t3)
- 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 TL3 highest — TH4
- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.



ANNEX D CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 22

This annex applies to the SikaRoof MTC 22 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 transmission 3.8 g⋅m⁻²⋅day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.5 mm

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

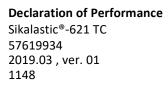
- External fire performance⁽¹⁾ $B_{ROOF}(t1)$
- Reaction to fire Euroclass E
- Categorisation by working life W3
- Categorisation by climatic zones M and S
- Categorisation by imposed loads P4
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature
 lowest TL3

highest — TH4

- Statement on dangerous substances NPD
- 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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.





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 09 July 2019

Name: Alexandros Melissourgos Function: Technical manager

At Athens on 09 July 2019

RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonized technical specification	DoP Number
Sikalastic [®] -601 BC	ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD	49812830
SikaRoof [®] MTC-12	ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD	23830177
SikaRoof [®] MTC-15	ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD	96228055
SikaRoof [®] MTC-18	ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD	26401311
SikaRoof [®] MTC-22	ETAG 005 Part 1 and Part 6, edition March 2000 (Revised March 2004), used as EAD	28313250

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

Declaration of Performance Sikalastic[®]-621 TC 57619934 2019.03 , ver. 01 1148



FULL CE MARKING

CE

09

Sika Services AG, Zurich, Switzerland

57619934

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

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	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.

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.

Declaration of Performance

Sikalastic®-621 TC 57619934 2019.03 , ver. 01 1148

10/16



3.8 Related aspects of 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 SIKAROOF MTC 12

This annex applies to the SikaRoof MTC 12 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 transmission 6. 6 g·m⁻²·day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.3 mm

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

- External fire performance NPD⁽¹⁾
- Reaction to fire NPD
- Categorisation by working life W2
- Categorisation by climatic zones M and S
- Categorisation by imposed loads P1 to P2
- Categorisation by roof slope S1 to S4
- Categorisation by surface temperature
 - lowest TL3

highest — TH4

- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.

Declaration of Performance Sikalastic®-621 TC 57619934 2019.03 , ver. 01 1148



ANNEX B CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 15

This annex applies to the SikaRoof MTC 15 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 transmission 6.5 g·m⁻²·day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.5 mm

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

- External fire performance BROOF(t1) BROOF(t2) BROOF(t3) BROOF(t4)
- Reaction to fire NPD
- 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
 - ${\rm lowest-TL3}$
 - highest TH4
- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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

Declaration of Performance Sikalastic®-621 TC 57619934 2019.03 , ver. 01 1148



ANNEX C CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 18

This annex applies to the SikaRoof MTC 18 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 transmission 5.8 g⋅m⁻²⋅day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.8 mm

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

- External fire performance⁽¹⁾ B_{ROOF}(t1) B_{ROOF}(t2) B_{ROOF}(t3)
- 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 — TL3 highest — TH4

- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.

Declaration of Performance Sikalastic[®]-621 TC 57619934 2019.03 , ver. 01 1148



ANNEX D CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF MTC 22

This annex applies to the SikaRoof MTC 22 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 transmission 3.8 g⋅m⁻²⋅day⁻¹
- resistance to wind loads >50 kPa
- assembled kit thickness 1.5 mm

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

- External fire performance⁽¹⁾ B_{ROOF}(t1)
- 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 TL3

highest — TH4

- Statement on dangerous substances NPD
- Root resistance NPD
- Slipperiness [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) Classification under BS 476-3 : 1958 is assessed as EXT.F.AA. Results of tests are given in the Evaluation Report.

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Sika Services AG, Zurich, Switzerland

57619934

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)

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.

Declaration of Performance Sikalastic®-621 TC 57619934 2019.03 , ver. 01 1148



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16/16

