

# Sikalastic®-701

## DECLARATION OF PERFORMANCE

### No. 67409260

|    |                                                                 |                                                                                                            |
|----|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 1  | <b>UNIQUE IDENTIFICATION<br/>CODE OF THE PRODUCT-<br/>TYPE:</b> | 67409260                                                                                                   |
| 2  | <b>INTENDED USE/S</b>                                           | ETA-20/1013 / EAD 030350- 00-0402<br>Liquid-applied roof waterproofing using kits based on<br>polyurethane |
| 3  | <b>MANUFACTURER:</b>                                            | Sika Services AG<br>Tüffenwies 16-22<br>8064 Zürich                                                        |
| 4  | <b>AUTHORISED<br/>REPRESENTATIVE:</b>                           |                                                                                                            |
| 5  | <b>SYSTEM/S OF AVCP:</b>                                        | System 3                                                                                                   |
| 6b | <b>EUROPEAN ASSESSMENT<br/>DOCUMENT:</b>                        | European Assessment document (EAD) no. EAD 030350-<br>00-0402 for Liquid applied roof waterproofing kits   |
|    | European Technical<br>Assessment:                               | ETA-20/1013 of 2020/12/20                                                                                  |
|    | Technical Assessment Body:                                      | ETA-Danmark A/S                                                                                            |
|    | Notified body/ies:                                              |                                                                                                            |

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## 7 DECLARED PERFORMANCE/S

The SikaRoof PUR-18 kit consists of the following components:

- **Sikalastic -701** — a two-part acrylic polyurethane hybrid, UV protective top layer
- **Sikalastic -702** — a two-part polyurea waterproofing layer
- **Sika Concrete Primer LO** — a two-part, low odour primer for concrete substrates
- **Sikafloor -161** — a two-part epoxy primer for asphalt substrates
- **Sikalastic Metal Primer** — a two-part epoxy primer for preparing metal substrates.

### 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/TS1187 : 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<br>EOTA TR-013                                       | See Annex A |
| Effects of high surface temperature                           | EOTA TR-007                                                      | See Annex A |
| Resistance to heat ageing                                     | EOTA TR-011<br>EN ISO 527-4 : 1997<br>EOTA TR-006<br>EOTA TR-008 | See Annex A |
| UV radiation in the presence of water                         | EOTA TR-010<br>EN ISO 527-4 : 1997<br>EOTA TR-006                | See Annex A |
| Resistance to water ageing                                    | EOTA TR-012<br>EOTA TR-004<br>EOTA TR-007                        | See Annex A |
| Root resistance                                               | EN 13948 : 2007                                                  | NPD         |
| Content and/or release of dangerous substances <sup>(1)</sup> | EOTA TR-034                                                      | NPD         |

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

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#### 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<br>EOTA TR-004 | See Annex A |
| Slipperiness               | SS 92 3515                 | NPD         |

#### 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<br>EOTA TR-006 | See Annex A |
| Effects of day joints                                                              | EOTA TR-004                        | See Annex A |

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## ANNEX A CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKAROOF PUR-18

This annex applies to the SikaRoof PUR-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 resistance factor ( $\mu$ ) — 2962
- water vapour diffusion — equivalent air layer thickness ( $S_d$ ) — 4.89 m
- resistance to wind loads — >50 kPa
- assembled kit thickness — 2.23 mm.

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

- external fire performance —  $B_{ROOF}(t1)^{(1)}$ ,  $B_{ROOF}(t4)^{(1)}$
- 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 — TL4
  - highest — TH4
- statement on dangerous substances — NPD
- root resistance — NPD
- slipperiness — NPD.

(1) The system tested consisted of a 6 mm thick calcium silicate board, a 2.03 mm coat of Sikalastic -702 and a 0.2 mm coat of Sikalastic -701.

### 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



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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

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Sika Services AG, Zurich, Switzerland

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EAD 030350- 00-0402

Liquid-applied roof waterproofing using kits based on polyurethane

|                                                                   |                                             |
|-------------------------------------------------------------------|---------------------------------------------|
| water vapour resistance factor ( $\mu$ )                          | 2962                                        |
| water vapour diffusion – equivalent air layer thickness ( $S_d$ ) | 4.89 m                                      |
| resistance to wind loads                                          | >50 kPa                                     |
| assembled kit thickness                                           | 2.23 mm.                                    |
| 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 — TL4<br>highest — TH4               |

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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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