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Designated according to Article 29 of Regulation (EU) No 305/2011

BBA APPROVAL INSPECTION TESTING CERTIFICATION
TECHNICAL APPROVALS FOR CONSTRUCTION

European Technical Assessment ETA-14/0176

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011:

Trade name	Sikalastic-625 for Pre-Coated Metal Roofing Sheets and Fibre Cement Roof Sheets
Holder of assessment:	Sika Liquid Plastics
Generic type and use of construction product:	Roof Waterproofing
Issued on:	2 July 2014
Manufacturing plant:	Miller Street Preston Lancashire PR1 1EA United Kingdom
This European Technical Assessment contains:	This European Technical Assessment contains 4 pages plus one Annex which forms an integral part of the document.

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1 Technical description of the product

The kit consists of the following components:

- Sikalastic - 625 — a one-part, moisture-triggered, liquid-applied aromatic polyurethane roof waterproofing applied as a base coat and a top coat
- Sika Bonding Primer — a preparation for fibre-cement (including asbestos) substrates
- Sika Metal Primer — a preparation for metal substrates including Plastisol-coated
- Sika Reemat Premium — a non-woven glass reinforcement for use at fibre-cement (including asbestos) substrate joints and over bolt and fixing heads
- Sika Flexitape Heavy — a nylon mesh for use at fibre-cement/metal substrate joints
- Sika Flexistrip — a 50 mm square self-adhesive patch for use over bolt and fixing heads.

The kit is used to produce a two-coat Sikalastic – 625 system. The application rates, finished thickness and reinforcements are given in the following table.

Coverage rate and finished thickness

Layer	Specification build-up
Base coat ($\ell \cdot m^{-2}$)	0.5
Top coat ($\ell \cdot m^{-2}$)	0.5
Finished thickness (mm)	0.7

2 Specification of the intended use in accordance with the applicable EAD

The kit is for use as a liquid-applied roof waterproofing on existing fibre cement (including asbestos) and Plastisol coated metal substrates.

The provisions made in this European Technical Assessment are based on an assumed working life of the roof of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Mechanical resistance and stability (ER1)

Not relevant

3.2 Safety in case of fire (ER2)

Characteristic	Method	Classification
External fire performance	ENV 1187 : 2002 Test 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 Hygiene, health and the environment (ER3)

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.

3.4 Safety in use (ER 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	EN 13893 : 2002	NPD

3.5 Protection against noise (ER 5)

Not relevant.

3.6 Energy economy and heat retention (ER 6)

Not relevant.

3.7 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

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base.

According to the Decision 98/599/EC of the European Commission(1) and amended by Decision 2001/596/EC of the European Commission(2), the system of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table applies.

Product	Intended use	Level or class	System
Liquid applied roof waterproofing kits	For all roof waterproofing uses	–	3

(1) Official Journal of the European Communities L 287 of 24.10.1998.

(2) Official Journal of the European Communities L 209 of 02.08.2001.

5 Technical details necessary for the implementation of the AVCP system, as outlined in the applicable EAD

5.1 Tasks of the manufacture

The manufacturer must make a declaration of conformity, stating that the construction product is in conformity with the provisions of the European Technical Assessment.

On behalf of the British Board of Agrément

Date of issue: 2 July 2014

Simon Wroe
Head of Approvals — Materials

Claire Curtis-Thomas
Chief Executive

ANNEX A CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC - 625

This annex applies to the Sikalastic – 625 roof waterproofing kit 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 transmission — 28.4 $g \cdot m^{-2} \cdot day^{-1}$
- water vapour resistance factor (μ) — 1327
- water vapour diffusion – equivalent air layer thickness (S_d) — 1.27 m
- resistance to wind loads — >50 kPa
- assembled kit thickness — 0.7 mm.

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

- External fire performance — B_{ROOF}(t4)
- Reaction to fire — E
- Categorisation by working life — W2
- Categorisation by climatic zones — M and S
- Categorisation by imposed loads — P3 (hard substrate only)
- Categorisation by roof slope — S1 to S4
- Categorisation by surface temperature

  lowest — TL3

  highest — TH3
- Statement on dangerous substances — None contained
- Slipperiness — NPD

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