



Designated according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2020

UK Technical Assessment	UKTA-0836-23/6852 of 17/05/2023
Technical Assessment Body issuing the UK Technical Assessment:	British Board of Agrément
Trade name of the construction product:	Sikalastic D-10 Roof Pro
Product family to which the construction product belongs:	Membranes, including liquid applied and kits (for water and/or water vapour control)
Manufacturer:	Sika Services AG Corporate Construction Tüffenweis 16 CH-8048 Zürich Switzerland
Manufacturing plant(s):	Sika Liquid Plastics Sika House Miller Street Preston Lancashire PR1 1EA United Kingdom
This UK Technical Assessment contains:	7 pages including 1 Annex which forms an integral part of the document
This UK Technical Assessment is issued in accordance with The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 on the basis of:	UKAD 030350-00-0402 <i>Liquid applied roof waterproofing kits</i>

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1. Technical description of the product

Sikalastic D-10 Roof Pro is a kit consisting of a single-component moisture-triggered polyurethane and glass-reinforcing scrim. Specific substrates require a primer to promote adhesion to the roof waterproofing. Once installed, the kit forms a homogeneous roof waterproofing layer. The kit is used to produce the specifications given in Table 1; the rates given are for smooth substrates.

Table 1 Coverage rate (l·m⁻²)

Layer	Specification build-up	
	Standard	Advanced
Base coat	1.0 (Sikalastic D-10 Roof Pro)	1.0 (Sikalastic D-10 Roof Pro)
Reinforcement	Sika Reemat Premium	Sika Reemat Premium
Top coat	0.75 (Sikalastic D-10 Roof Pro)	1.0 (Sikalastic D-10 Roof Pro)
Finished thickness	1.3 mm	1.5 mm

2. Specification of the intended use(s) in accordance with the applicable UK Assessment Document (hereinafter UKAD)

Sikalastic D-10 Roof Pro is for use as a liquid-applied roof waterproofing on flat and pitched roofs on the following substrates:

- Unprimed concrete
- Asphalt
- Bitumen roofing felt.

The provisions made in this UKTA are based on an assumed working life of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, but are to be used as a means for selecting the appropriate product 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 (BWR 1)

Not relevant.

3.2. Safety in case of fire (BWR 2)

Characteristic	Classification
External fire performance of roofs	See Annex A
Reaction to fire	See Annex A

3.3. Health, hygiene and the environment (BWR 3)

Characteristic	Category
Content emission and/or release of dangerous substances	No performance assessed
Resistance to water vapour	See Annex A
Watertightness	See Annex A
Resistance to wind loads	See Annex A
Resistance to mechanical damage (perforation)	See Annex A
Resistance to fatigue movement	See Annex A
Resistance to the effects of low and high surface temperatures	See Annex A
Resistance to ageing media (heat and water)	See Annex A
Resistance to UV radiation in the presence of moisture	See Annex A
Resistance to plant roots	No performance assessed
Effects of variations in kit components and site practices	No performance assessed
Effects of day joints	See Annex A

3.4. Safety and accessibility in use (BWR 4)

Characteristic	Category
Slipperiness	No performance assessed

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)

No performance assessed.

4. Assessment and verification of constancy of performance (hereinafter AVCP) system applied

4.1. System of assessment and verification of constancy of performance

According to UKAD No. 030350-00-0402 and Annex V of the Construction Products Regulation (Regulation (EU) 305/2011) as brought into UK law and amended, the system of assessment and verification of constancy of performance (AVCP) 3 applies.

5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable UKAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with the British Board of Agrément and made available to the UK Approved Bodies involved in the conformity attestation process.

5.1. UKCA marking for the product/ system must contain the following information:

- Identification number of the Approved Body
- Name/address of the manufacturer of the product/ system
- Marking with intention of clarification of intended use
- Date of marking
- UKTA number.

On behalf of the British Board of Agrément



Date of Issue: 17 May 2023

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ANNEX A

CATEGORISATION OF LEVELS OF PERFORMANCE OF SIKALASTIC D-10 ROOF PRO

This annex applies to the Sikalastic D-10 Roof Pro waterproofing kit described in the main body of the UK Technical Assessment.

The substrates applicable to this kit are defined in the main body of this UKTA.

Water vapour diffusion — equivalent air layer thickness (S_d) — 2.58 m.

Water vapour resistance factor (μ) — 2260.

Water vapour transmission — $13.9 \text{ g}\cdot\text{m}^{-2}\cdot\text{day}^{-1}$.

Resistance to wind loads — >50 kPa.

Assembled kit thickness

- Standard — 1.3 mm.
- Advanced — 1.5 mm.

The categorisation of levels of performance in accordance with UKAD 030350-00-0402 is given in Table 1.

Table 1 Levels of performance

Characteristic	Level of performance
Watertightness	Pass
External fire performance	B _{ROOF} (t1) ⁽¹⁾ B _{ROOF} (t4) ⁽²⁾
Reaction to fire	Euroclass E
Categorisation by working life	W2
Categorisation by climatic zones	M and S
Categorisation by imposed loads:	
• Most compressible substrate	P3
• Least compressible substrate	P4
Categorisation by roof slope	S1 to S4
Categorisation by surface temperature:	
• Lowest	TL3
• Highest	TH4
Statement on dangerous substances	No performance assessed
Root resistance	No performance assessed
Slipperiness [slope(°)/friction coefficient]	No performance assessed

(1) The tests were carried out on a non-combustible, calcium silicate board substrate, at a pitch of 15°.

(2) The tests were carried out on a non-combustible, calcium silicate board substrate at zero pitch.



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