



ETA-Danmark A/S
Göteborg Plads 1
DK-2150 Nordhavn
Tel. +45 72 24 59 00
Internet www.etadanmark.dk

Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
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MEMBER OF EOTA



European Technical Assessment ETA-25/0940 of 2025/10/24

I General Part

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

Trade name of the construction product:

SITKO LIQUID SEAL EVO

Product family to which the above construction product belongs:

Liquid applied roof waterproofing kits

Manufacturer:

TECTIS Oy
Mänkimiehentie 19,
FI-02780 ESPOO
Telephone +358 9 4393460
Internet www.tectis.fi

Manufacturing plant:

Manufacturing Plant II

This European Technical Assessment contains:

8 pages including 1 annex which form an integral part of the document

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

EAD 030350-00-0402 Liquid applied roof waterproofing kits.

This version replaces:

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II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product

SITKO LIQUID SEAL EVO is a polymer-based, liquid applied, solvent-free reactive roof waterproofing kit.

The membrane is applied by paintbrush or roller or spray to form a waterproofing membrane both on horizontal and vertical substrates.

SITKO LIQUID SEAL EVO is a monocomponent coating that cures via contact with humidity consisting of a blend of full-solid solvent-free moisture-reactive polymers. After curing, the product forms a flexible waterproofing membrane with high adhesion to various substrates.

The product SITKO LIQUID SEAL EVO exists in 2 variants, the standard version and the thickened version, SITKO LIQUID SEAL EVO TH. Depending on the work to be carried out and the detailing, one or the other variant or, in many cases, a combination of the two will be chosen.

The application of SITKO LIQUID SEAL EVO is described in detail in the manufacturer's processing instructions.

If, according to the implementation instructions, a repair mortar must be applied before applying SITKO LIQUID SEAL EVO, SITKO LIQUID SEAL EVO may only be applied 24 hours after the repair mortar has been applied. In case a quick-setting repair mortar is used, this can be done earlier, according to the manufacturer's instructions.

The product SITKO LIQUID SEAL EVO TH is to be applied with a suitable brush or paint roller while SITKO LIQUID SEAL EVO is to be applied with a suitable paint roller. SITKO LIQUID SEAL EVO can also be spray applied with specific spray devices. Contact the manufacturer for more information.

The SITKO LIQUID SEAL EVO system can be applied in 1 or 2 coats. The nominal consumption is 2.0 kg/m² with a minimum of 1.5 kg/m² where the minimum layer thickness is 1.1 mm. For rougher surfaces, a 2nd coat can be applied. A waiting time should be observed until the 1st layer is tack-free.

The layer thickness of the applied layer is verified at regular intervals during execution with a layer thickness gauge. Where necessary, the thickness of the waterproofing is corrected by applying a 2nd layer.

Surface preparation:

- Remove salt deposits and other surface contaminations. The substrate must be solid, handdry, clean, dust-free and free of oil, grease and release agents.
- Remove dust, loose particles and standing water from the surface. The surface may be moist, but handdry.
- Prior cleaning with high-pressure cleaner or via sandblasting.
- Unevenness > 5 mm should be smoothed out and damaged parts adequately repaired before applying the waterproofing.

The kit consists also of the following components:

- SITKO TPE is composed of a central thermoplastic elastomer with two lateral polyester reinforcements and is used to apply as reinforcement over dilatation joints as well as in corners. SITKO TPE is applied wet in wet in between 2 layers of SITKO LIQUID SEAL EVO. The product is available in 10m and 50m rolls.
- TECTIS VAHVIKENAUHA, a polyester/polyamide non-woven textile consisting of continuous filaments that are thermally fixed, is used to locally strengthen the SITKO LIQUID SEAL EVO membrane over existing cracks as well as locally fragile substrates. TECTIS VAHVIKENAUHA is applied wet in wet in between 2 layers of SITKO LIQUID SEAL EVO. The product is available in rolls of 50 m.

2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

The intended use of the kit is the waterproofing of roofs, terraces and balconies preventing or controlling the passage of water from one plane to another.

The roof waterproofing kit is made of non-load bearing construction elements, it does not contribute directly to the stability of the roof on which it is installed, but it can contribute its durability by providing enhanced protection from the effect of weathering.

Concerning product packaging, storage, maintenance, replacement, and repair, it is the responsibility of the manufacturer to undertake the appropriate measures and to advise his clients on the transport, storage maintenance, replacement, and repair of the product.

The kit is categorized as described in annex A in accordance with clause 1.2.1 of the EAD.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the kit of 25 years for a category W3 product.

It is assumed that the product will be installed according to the manufacturer's instructions.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body 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

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR2)	
External fire performance of roofs	Classified according to EN 13501-5, as B_{ROOF} (t1)
Reaction to fire	Class E, E_n , according to EN 13501-1 and Delegated Regulation 2016/364
3.3 Hygiene, health and the environment (BWR3)	
Content, emission and/or release of dangerous substances*	No performance assessed
Resistance to water vapour	μ = 751 S_d value = 1,5 m
Watertightness	Watertight
Resistance to wind loads	> 50 kPa for tear resistant substrates
Resistance to mechanical damage (perforation)	Resistance to dynamic indentation: Concrete: P3 (normal)
	Resistance to static indentation: Concrete: P4 (Special)
Resistance to fatigue movement	W3
Resistance to the effects of low and high surface temperatures	Low temperature: Level of resistance TL3, Class I₃ Extreme low temperatures: No performance assessed High temperature: Level of resistance TH4, Class L₃
Resistance to ageing media (heat and water)	W3
Resistance to UV radiation in the presence of moisture	M (moderate) Categorisation of roof slope: S1 to S4 (<5% to >30%) Diameter for which no perforation is shown: 20 mm
Resistance to plant roots	No performance assessed
Effects of variations in kit components and site practices	No performance assessed
Effects of day joints	1,03 N/mm²
3.4 Safety in use (BWR4)	
Slipperiness	No performance assessed

*) In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Directive, these requirements need also to be complied with, when and where they apply.

See additional information in section 3.8 and 3.9, and annex A.

3.8 Methods of verification

The assessment of the performance of SITKO LIQUID SEAL EVO in relation to the applicable BWR's has been made in accordance with the European Assessment Document (EAD) no. EAD 030350-00-0402 Liquid applied roof waterproofing kits.

3.9 General aspects related to the performance of the product

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide whether such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

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


4.1 AVCP system

According to the decision 99/599/EC and amended by Commission Decision 2001/596/EC, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 3.

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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to the CE marking

Issued in Copenhagen on 2025-10-24 by



Thomas Bruun
Managing Director, ETA-Danmark

ANNEX A
CATEGORISATION OF LEVELS OF PERFORMANCE FOR SITKO LIQUID SEAL EVO

This Annex applies to the SITKO LIQUID SEAL EVO Liquid Applied Roof Waterproofing System described in the main body of this ETA.

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

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

- Categorisation by working life — W3 (25 years)
- Categorisation by climatic zones — M (moderate)
- Categorisation by imposed loads — P3 (normal) & P4 (Special)
- Categorisation by roof slope — S1 to S4 (<5% to >30%)
- Categorisation by surface temperature:
 - lowest — TL3 (-20°C)
 - highest — TH4 (80°C)

Dangerous substances — No performance assessed
Root resistance — No performance assessed
Slipperiness — No performance assessed