

ELAPRO Dachdicht 1k-SIL

TD121 Technical Data Sheet



Areas of application

- ELAPRO Dachdicht 1k-SIL is used in the system with the ELAPRO Vlies 120 for the permanent sealing of connections as well as areas on flat roofs.
- With the system, windows and base areas can also be sealed permanently.
- Suitable material substrates include aluminum, chemically untreated concrete, elastomer bitumen, plastomer bitumen, glass, various wood-based materials, clinker, copper, OSB, PVC (plastic parts), steel, XPS, zinc and ECB, EPDM, EVA, PIB, PP, PVC and TPO/FPO.

Characteristics

- processable from 0 °C
- thixotropic - suitable for vertical and horizontal surfaces
- humidity hardening
- one-component - no mixing required
- ready to use - direct processing from the container
- solvent free
- harmless to health - no hazard labeling
- water vapor permeable
- UV and weather resistant
- permanently elastic
- crack bridging up to 5 mm
- highly tear-resistant

Delivery form

3 kg, 6 kg, 12 kg metal container

Consumption

Min. 3.0 kg/m² depending on the nature of the substrate.

Material characteristics

Relative humidity	50 to 100 %
Ambient temperature	+0 °C to +35 °C
Substrate temperature	+0 °C to +60 °C
Surface	dry (max. 6 %)
System basis	silane-terminated polyurethane
Drying	humidity
Viscosity	liquid, thixotropic
Density	1.4 g/cm ³
Processing time ¹	unlimited
Rainproof ²	after 120 minutes
Walkable ²	after 48 hours
Full adhesion ²	after 72 hours
Recoatable ²	within 24 hours, subsequently must be rough roughened
Standard color(s)	silver gray (ca. RAL 7001)

¹Direct sunlight must be avoided. For longer work interruptions, the container must be hermetically sealed.

²Measurements at 20 °C and a relative humidity of 60%. The specified values are influenced by weather influences such as air humidity, temperature and wind.

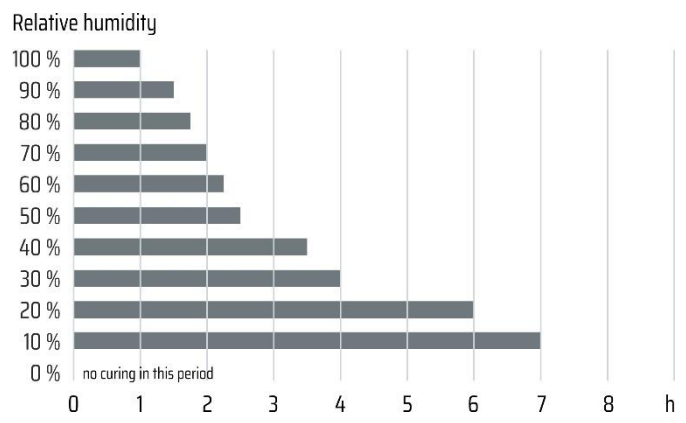
Tools

Recom.: lambskin roller, electric agitator

Alternative: brush, squeegee, stir bar

Cleaning: in the liquid state with a dry rag or a cleaning thinner

Rain proof



Processing

Surface preparation

The surface must be thoroughly cleaned. The substrate must be free of dust, oil and grease for processing. Deposits, mosses and lichens are to be removed without residue. Bubbles must be opened and fastened. Loose surfaces are to be solidified and smoothed. The substrate must be firm and stable. Loose old paintings may need to be removed.

Cracks and cavities up to 5 mm must be filled in with ELAPRO Dachdicht 1k-SIL, then bridged with a cut-out of ELAPRO Vlies 120 and then covered with a coat of ELAPRO Dachdicht 1k-SIL. Cracks and cavities over 5 mm must be filled with a putty, then bridged with a section of ELAPRO Vlies 120 and then covered with a coat of ELAPRO Dachdicht 1k-SIL.

Primer

Prior to the coating, the necessity of using a primer (see TD123 Adhesive priming) must be checked.

Sealing

Dachdicht 1k-SIL must be stirred well before use. Avoid fast stirring due to air. The processing takes place with a roll.

Basecoat

2.0 kg of ELAPRO Dachdicht 1k-SIL are applied per square meter as a basecoat to the substrate. The basecoat must not be applied too thin to avoid later adhesion problems. Proper processing takes place at ambient temperatures of at least +0 °C and max. +30 °C and at surface temperatures of at least +0 °C and max. +50 °C. The relative humidity must be between 50 % and 100 %.

Fleece

Immediately after application of the basecoat, the fleece must be inserted. The basecoat must not have formed any skin. The fleece must be laid wrinkle-free, without air pockets and cavities. The basecoat soaks through the fleece within a short time itself. The fleeces lying next to one another must overlap at least 5 cm and always run with the direction of flow of the water. The same material layer thickness must be applied between the overlapping nonwoven ends.

Topcoat

1.0 kg of ELAPRO Dachdicht 1k-SIL is applied to the ELAPRO Vlies 120 per square meter as a topcoat. There must be no fleece spots exposed. ELAPRO Dachdicht 1k-SIL must be applied 0.5 cm above the fleece end. In special cases, the cover layer can also be applied to the fleece only on the next day.

Storage & Durability

In original packaging, stored cool, dry, frost-free and airtight, at least 6 months shelf life. Keep container in a well-ventilated place. Direct solar radiation must also be avoided on the construction site.

General remarks

Please also note the following documents:

- TD122 Processing instructions
- TD123 Adhesive priming
- TD124 Safety data sheet

Disposal

Liquid: EAK 08 04 10

Emptied: EAK 08 04 10

General information

All data provided herein are for the purpose of describing the material only and are based on tests and results obtained from practical use. Therefore no guarantee can be given for their accuracy or completeness. Consultations are made to the best of our knowledge. Color deviations or changes have no influence on the technical parameters of the products. Times are shortened at higher and extend at lower ambient and surface temperatures. All data are subject to change without notice. The data sheet loses its validity no later than 5 years after its publication. The information and recommendations contained in this product information correspond to the current state of our knowledge and serve to inform the buyer. They do not release the buyer to check the products for their suitability and use on the respective surface. The products described may only be processed in the system with the system components mentioned here. We guarantee perfect quality within the scope of our terms of delivery and payment.

Hazard warnings

Non

Compatible system components

- ELAPRO Vlies 120
- ELAPRO Haftgrund KS
- ELAPRO Haftgrund UN
- ELAPRO Top 1k-SIL

Safety instructions

All safety regulations on the containers, the technical product information and the safety data sheets as well as the relevant local, national and EU regulations must be observed. Care must be taken for personal safety at work.