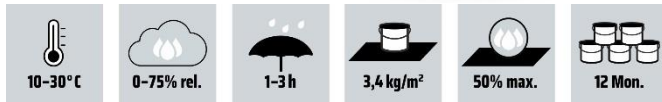


ELAPRO Balkondicht 1k-CRYL

TD211 Technical Data Sheet



Areas of application

- ELAPRO Balkondicht 1k-CRYL is used in the system with the ELAPRO Vlies 120 for the permanent sealing of connections as well as areas on balconies and terraces.
- If desired, the seal can be additionally protected with ELAPRO Top 1k-SIL. The seal protects from heavy and regular stress from scratches, abrasion and dirt-repellent.
- Suitable material substrates include aluminum, chemically untreated concrete, elastomer bitumen, plastomer bitumen, glass, various wood-based materials, clinker, copper, OSB, PVC (plastic parts), steel, zinc and ECB, EPDM, EVA, PIB, PP, PVC and TPO/FPO.

Characteristics

- no primer required - on almost all surfaces
- thixotropic - suitable for vertical and horizontal surfaces
- air hardening
- one-component - no mixing required
- ready to use - direct processing from the container
- solvent free (VOC) and odorless
- harmless to health - no hazard labeling
- slightly damp surfaces (max. 50 %)
- UV and weather resistant
- crack bridging up to 5 mm
- self-vulcanizing - always recoatable
- resealable - max. 9 months shelf life after first opening

Delivery form

5 kg, 10 kg, 25 kg plastic container

Consumption

Min. 3.4 kg/m² depending on the nature of the substrate.

Material characteristics

Relative humidity	0 to 75 %
Ambient temperature	+10 °C to +30 °C
Substrate temperature	+10 °C to +60 °C
Surface	dry to slightly damp (max. 50 %)
System basis	polyacrylate
Drying	air
Viscosity	liquid, thixotropic
Density	1.5 g/cm ³
Processing time ¹	unlimited
Rain proof ²	after 120 minutes
Walkable ²	after 48 hours
Full adhesion ²	after 96 hours
Recoatable ²	unlimited
Standard color(s)	silk grey (ca. RAL 7044) black (ca. RAL 9005)

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. Temperature and humidity must provide the possibility of curing in the following hours after the order.

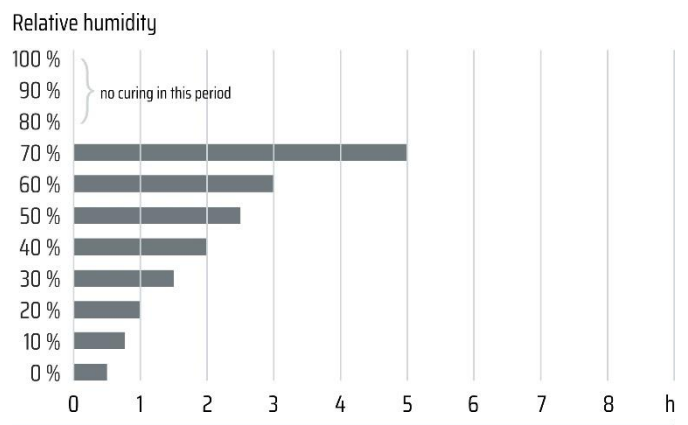
Tools

Recom: lambskin roller, electric agitator

Alternative: brush, squeegee, stir bar

Cleaning: in the liquid state with water

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. Slightly dampened surfaces (max. 50 %) are permissible.

Primer

Prior to the coating, the necessity of using a primer (see TD213 Adhesive priming) must be checked.

Sealing

Balkondicht 1k-CRYL 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 Balkondicht 1k-CRYL are applied per square meter as a basecoat to the substrate. Proper processing takes place at ambient temperatures of at least +10 °C and max. +30 °C and at surface temperatures of at least +10 °C and max. +60 °C. The relative humidity must be between 0% and 75%. 2.0 kg of ELAPRO Balkondicht 1k-CRYL are applied per square meter as a basecoat to the substrate. The basecoat must not be applied too thin to avoid later adhesion problems.

Fleece

Immediately after application of the basecoat, the fleece must be inserted. The basecoat must not have formed any skin. In strong sunlight and high temperatures, the basecoat should be misted with water (use spray bottle) to delay the formation of skin. The fleece must be laid wrinkle-free, without air pockets and cavities and is carefully pressed with a dry roll, so that a good impregnation takes place. 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

1.4 kg of ELAPRO Balkondicht 1k-CRYL is applied to the ELAPRO Vlies 120 per square meter as a topcoat. There must be no fleece spots exposed. ELAPRO Balkondicht 1k-CRYL must be applied 0.5 cm above the fleece end.

Sealing with ELAPRO Top 1k-SIL

Optionally, the Balkondicht 1k-CRYL coating can be sealed with ELAPRO Top 1k-SIL for higher abrasion and scratch resistance as well as for protection against contamination. Top 1k-SIL is applied as single layer.

The topcoat of the ELAPRO Balkondicht 1k-CRYL must be hardened. In order to ensure a consistently homogeneous surface structure, the surface should be lightly sanded after hardening.

0.30 kg Top 1k-SIL are applied per square meter onto the Balkondicht 1k-CRYL coating and then distributed with a roller. Due to the low viscosity, Top 1k-SIL practically leveled itself, resulting in a homogeneous layer thickness. The area should not be entered for 48 hours.

Storage & Durability

In original packaging, stored cool, dry, frost-free and airtight, at least 12 months shelf life. Keep container in a well-ventilated place. Direct solar radiation must also be avoided on the construction site. Opened, at least half-full containers of Balkondicht 1k-CRYL are stable under the same conditions for up to 9 months. Opened containers of Top 1k-SIL should be processed promptly.

General remarks

Please also note the following documents:

- TD212 Processing instructions
- TD213 Adhesive priming
- TD214 Safety data sheet

Disposal

Liquid: EAK 08 04 10

Emptied: EAK 08 04 10

Hazard warnings

Non

Compatible system components

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

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.

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.