

ELAPRO Balkondicht 1k-CRYL

TD212 Processing instructions

Short instruction

- Cleaning the substrate
- Examination need for primer (see TD213)
- Apply basecoat ELAPRO Balkondicht 1k-CRYL
- Insert ELAPRO Vlies 120
- Wet in wet application of the topcoat ELAPRO Balkondicht 1k-CRYL

► Direct to the processing video with QR code - that's how it works



iPhone: Open the camera app and point to the QR code. *Android-Phone:* In web browser open webqr.com, click on video camera icon and point to the QR code. Alternatively, download an appropriate app

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.

Creases and bubbles in plastic or bituminous membranes to be reworked are to be cut out in order to avoid backflow of water in these areas. Any accumulation of water will in the long term lead to pollution and damaging algae growth on the surface.

Cracks and cavities up to 5 mm must be filled to the edge area with ELAPRO Balkondicht 1k-CRYL, then bridged with a cut-out ELAPRO Vlies 120 and then covered with a coat of ELAPRO Balkondicht 1k-CRYL. Cracks and cavities over 5 mm must be filled with a putty, then bridged with a basecoat ELAPRO Balkondicht 1k-CRYL. A section of ELAPRO Vlies 120 is placed in the still wet basecoat and then covered with a topcoat of ELAPRO Balkondicht 1k-CRYL.

Slightly dampened surfaces (max. 50 %) are permissible, but will extend the curing time of the material. The surface should not gleam. The early rainfall resistance does not extend with slightly dampened surfaces.

Sealing

ELAPRO Balkondicht 1k-CRYL must be stirred thoroughly and slowly with an electric stirrer or alternatively with a stir bar before use – the incorporation of air must be avoided. The product is thixotropic. The longer the material is stirred, the more it liquefies. At rest – both in the container and after the application – it solidifies again. 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 %. The job is ideally done with a roll (lambskin or similar). Alternatively, the system can be applied with a brush.

Primer

Before application, depending on the particular substrate, the necessity of using a primer must be checked. An adhesion test is always recommended for this. For adhesion testing, read the processing instructions at the end of this document. For an overview of substrates for which a primer is needed, see document TD213 Adhesive priming ELAPRO Balkondicht 1k-CRYL. If a primer is used, it must be allowed to air for 15 minutes before being reworked.

Basecoat

2.0 kg of ELAPRO Balkondicht 1k-CRYL are applied per square meter as a basecoat to the substrate.

Only for coarse-pored substrates may a portion of the ELAPRO Balkondicht 1k-CRYL be diluted with 2% water and applied. After the diluted subset has dried, the basecoat is applied as previously described. 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. 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. In stronger sunlight, a rain-resistant skin forms very quickly. Should this skin formation lead to only a partial saturation of the fleece being possible, water spray should be sprayed onto the basecoat immediately after application of the material. The impermeability and durability of the coating depends on the impregnation of the fleece. The fleece assumes a dark color when properly drowned. 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 fleece 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 top layer 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.

Consumption

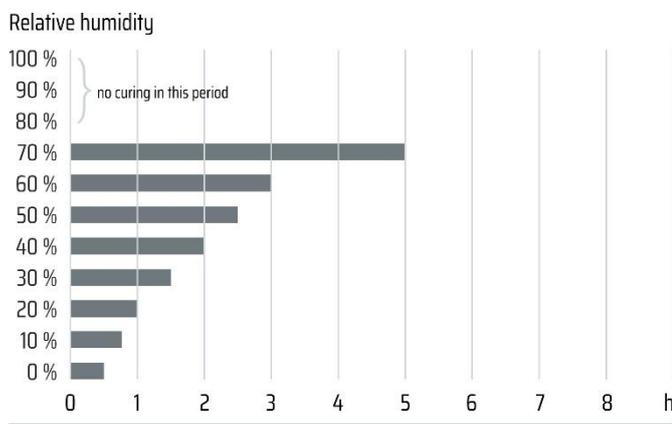
Min. 3.4 kg/m² depending on the nature of the substrate.

Disposal

Liquid: EAK 08 04 10

Emptied: EAK 08 04 10

Rain proof



Processing information

An assessment of the proper subsurface texture is, according to VOB, the responsibility of the processor. He has to convince himself before the beginning of the sealing work on the coating-fair condition of the substrate.

Adhesion test

An adhesion test is always recommended. For this purpose, at least one cleaned test field of 30 x 30 cm is coated with ELAPRO Balkondicht 1k-CRYL and ELAPRO Vlies 120 (procedure analogous to the processing instructions). Please leave a 10 cm edge strip of the fleece as a grip surface. After 5 days of complete hardening, adhesion should be checked by tensile test on the exposed gripping

surface. If the temperature is below 15 °C during this time, 7 days must be allowed. Only with very high adhesion may the material be processed on the tested substrate. Depending on the substrate material and condition, the adhesion test should be carried out directly with the respectively required ELAPRO primer (see TD213 Adhesive priming).

The total consumption can also be higher than 3.4 kg/m² for strongly absorbent or uneven surfaces.

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.