

## ELAPRO 1k-CRYL

TD111 Technical Data Sheet

(also applies for ELAPRO Dachdicht 1k-CRYL and Balkondicht 1k-CRYL)



### Areas of application

ELAPRO 1k-CRYL is used for surfaces, connections and details of roofs, balconies, loggias, pergolas and floor-to-ceiling windows and door connections.

### Delivery form

Plastic container: 5 kg/10 kg

### Tools

Processing: Short-fibre roller, paintbrush, notched squeegee

Stirring: Electric stirrer, stirring rod

Cleaning: In liquid state, with water

### Processing

For a detailed description, see the product-specific processing instructions.

### Storage and shelf life

At least 24 months if stored unopened and airtight in the original packaging in a cool, dry and frost-free environment. Avoid direct sunlight, even when working with the product on building sites. Open, at least half-full containers can be kept for up to 9 months under the same conditions.

### Compatible system components

- ELAPRO Primer KS / UN
- ELAPRO Vlies 110 / 120 / Moulded non-woven material parts
- ELAPRO SFB
- ELAPRO Cleaner

### Material properties

System basis	Unsaturated polyester resin (UPR)/polyacrylate
Hardening	Air drying and self-crosslinking
Viscosity	Viscous, thixotropic
Density	1.4 g/cm <sup>3</sup>
Standard colours	Black (approx. RAL 9005)
	Silk grey (approx. RAL 7044)

### Processing-relevant data

Relative humidity	0 to 75%
Processing temperature	+10 to +35°C
Substrate temperature	+5 to +60°C
	Min. 3°C above the dew point
Residual substrate moisture	dry to slightly damp
Consumption	min. 3.5 kg/m <sup>2</sup>
Processing time <sup>1,2</sup>	25 min.
Rainproof <sup>2</sup>	After 1 hour (20°C/50% RH)
Walkable <sup>2</sup>	After 24 hours (20°C/50% RH)
Crosslinking complete <sup>2</sup>	After 72 hours (20°C/50% RH)
Recoatible /	
Interruption of work	Unlimited, once cleaned

<sup>1</sup>Avoid direct sunlight. The container must be sealed airtight during extended breaks from work.

<sup>2</sup>Measurements made at 20°C and a relative humidity of 50%. The values specified are affected by weather conditions like humidity, temperature and wind. The temperature and humidity must permit the coating to harden in the hours after application.

### Hardening times



### Test certificates

#### ETAG 005(18/0987) – Parts 4 and 8: Flexible unsaturated polyester

Useful life	W3
Climate zone	M, S
Payloads	P1-P4
Roof pitch	S1-S4
Surface temperature (min):(max)	TL4:TH3

#### Fire behaviour (DIN 4102-1 and DIN EN 13501-1)

Fire class	Class E
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#### External fire performance (DIN 4102-7 and DIN EN 13501)

Class	B <sub>Roof</sub> (f1)
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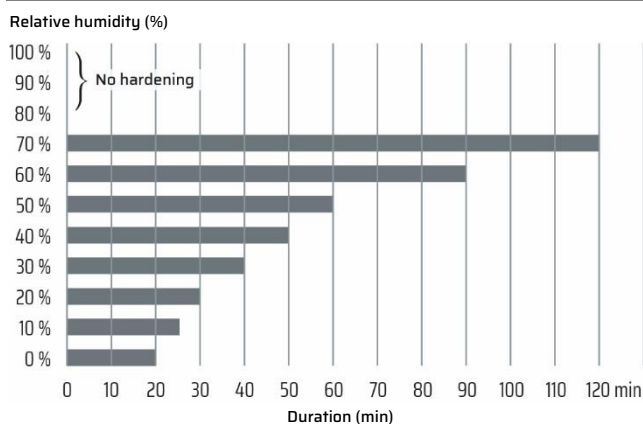
### Primer recommendation\*

It is essential that the surface is cleaned. Grinding increases the surface and is therefore recommended to achieve better adhesion. Concrete and cement substrates as well as tiled surfaces must be prepared by removing material.

Substrate	Substrate preparation
Concrete and screed (used surfaces)	ELAPRO Primer UN
Concrete and plaster (details, connections)	Primer not necessary
Bitumen sheet, slated/sanded	Primer not necessary
Glass	Primer not necessary
Wood (untreated)	Primer not necessary
Timber-based materials (glued laminated timber, OSB among others)	Primer not necessary
Clinker brick	Primer not necessary
EPDM	ELAPRO Primer KS
EVA	ELAPRO Primer KS
FPO/TPO	ELAPRO Primer KS
GRP	ELAPRO Primer KS
PVC (sheets)	ELAPRO Primer KS
PVC (hard)	Primer not necessary
Aluminium	ELAPRO Primer UN
Stainless steel	ELAPRO Primer UN
Copper	Not necessary
Steel	ELAPRO Primer UN
Zinc	Primer not necessary
Other substrates	See TD113

\*We always recommend conducting an adhesive primer test, see TD112.

### Rainproofing (20°C)\*



\*Important! Values can deviate if weather conditions like humidity or temperature change during hardening.

### Disposal

#### Product residues

Liquid:	AVV 08 04 10
Hardened:	AVV 08 04 10

#### Packaging

Not fully empty:	AVV 08 04 10
Empty/drip-free:	AVV 15 01 02

Note: Product residues and packaging must be disposed of properly in compliance with the European List of Waste Materials (AVV/formerly EAK).

### Hazard warnings

None

### Associated documents

Please refer also to the following documents:

- TD112 Processing Instructions
- TD113 Primer Recommendation
- TD114 Safety Data Sheet
- TD811 Dew Point Table

### General information

All information provided here serves only to describe the material and is based on tests and results achieved in practical use. As a result, no liability can be accepted for its accuracy or completeness. Advice is provided to the best of our knowledge and does not release users from testing by accredited specialists such as planners and experts. Colour deviations or changes do not affect the products' technical parameters. The times specified are reduced at higher ambient and surface temperatures and extended at lower ambient and surface temperatures. All data is subject to changes without notice. The data sheet shall cease to be valid 5 years after publication. The latest version must always be used. It is available in the download area on our website [www.elapro.de](http://www.elapro.de). The details and recommendations in this product information correspond to the current state of our knowledge and are provided to inform the buyer. They do not release the buyer from assessing the products for suitability and use on the respective substrate. The products described must only be processed as a system with the system components mentioned here. We guarantee flawless quality within the framework of our terms of delivery and payment.

### Safety instructions

All safety instructions on the containers, the technical product information and the safety data sheets and relevant local, national and EU regulations must be complied with. Personal occupational health and safety must be observed.