



**NELSKAMP**

Official sales partner



# ELAPRO liquid plastics

Waterproofing and coatings  
for flat roofs, balconies, buildings etc.

- ELAPRO liquid plastics are free of harmful contents.
- They do not contain any solvents or pollutants, which makes them particularly environmentally friendly.
- The ideal, simple and sustainably safe solution for every challenge.

**ELAPRO PRODUCT PHILOSOPHY**

[www.elapro.de/en/](http://www.elapro.de/en/)



Non-hazardous to health



Environmentally friendly



Convincingly simple



Certified quality



Processing video  
Liquid waterproofing

# ELAPRO product comparison

## Technical properties

	ELAPRO 1k-SIL	ELAPRO 1k-CRYL	ELAPRO QuickRepair
<b>Material properties</b>			
<b>System basis</b>	Silane-terminated polyurethane	Polyester resin / Polyacrylate	Silane-terminated polyurethane
<b>Use</b>	Waterproofing with non-woven inlay	Waterproofing with non-woven inlay	Fibre-reinforced repair coating
<b>Viscosity</b>	Viscous, thixotropic	Viscous, thixotropic	Viscous, thixotropic
<b>Hardening/crosslinking</b>	Humidity	Air drying and self-crosslinking	Humidity
<b>Delivery form</b>	Metal can: 6 kg/12 kg	Plastic container: 5 kg/10 kg	Metal can: 1 kg/4.5 kg
<b>Stability in storage</b>	At least 12 months	At least 24 months	At least 12 months
<b>Standard colour(s)</b>	Anthracite grey, silver grey	Black, silk grey	Stone grey
<b>Processing-relevant data</b>			
<b>Relative humidity<sup>1</sup></b>	25 to 100%	0 to 75%	25 to 100%
<b>Processing temperatures</b>	0 to +40°C	+10 to +35°C	-5 to +40°C
<b>Substrate temperatures<sup>1</sup></b>	0 to +60°C, at least 3°C above dew point	+5 to +60°C, at least 3°C above dew point	-5 to +60°C, at least 3°C above dew point
<b>Residual substrate moisture</b>	Dry to slightly damp	Dry to slightly damp	Dry to slightly damp
<b>Consumption<sup>2</sup></b>	At least 3.3 kg/m <sup>2</sup>	At least 3.5 kg/m <sup>2</sup>	At least 1.5 kg/m <sup>2</sup>
<b>Processing time<sup>3,4</sup></b>	90 min.	25 min.	90 min.
<b>Rainproof/walkable<sup>4</sup></b>	After 1 hour/24 hours	After 1 hour/24 hours	After 30 minutes/24 hours
<b>Recoatable</b>	Up to 24 hours, clean <sup>5</sup> and roughen afterwards	Unlimited, once cleaned	Up to 24 hours, clean <sup>5</sup> and roughen afterwards
<b>Compatible system components</b>	ELAPRO Topcoat ELAPRO Primer KS / UN ELAPRO Vlies 110 / 120 ELAPRO Cleaner ELAPRO QuickDry	ELAPRO Primer KS / UN ELAPRO Vlies 110 / 120 ELAPRO Cleaner	ELAPRO Primer KS / UN ELAPRO Cleaner

<sup>1</sup>During processing, the surface temperature must be 3°C above the dew point. If the temperature fall below this, generally at relative humidities of 85% or higher, a separating film of condensate can form on the surface to be coated. Relative humidities of up to 100% are permitted in the hours after processing. <sup>2</sup>On highly absorbent or uneven substrates, the total consumption may exceed the specified value. <sup>3</sup>Avoid direct sunlight. The container must be sealed airtight during extended breaks from work. <sup>4</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. <sup>5</sup>The hardened surface should be cleaned generously with ELAPRO Cleaner or roughened.

# ELAPRO 1k-SIL

Waterproofing for flat roofs, balconies, buildings etc.



## ELAPRO 1k- SIL – liquid waterproofing

- European Technical Approval EAD/ ETAG 005: ETA-19/0623 (W3 – 25 years)
- Fire behaviour per DIN 4102-1 and EN 13501-1 (fire class E)
- Fire performance DIN 4102-7 and DIN EN 13501-5 (class BROOF (f1))
- Building waterproofing PG-FLK: P-1202/812/20 MPA-B5
- Not classed as hazardous material or hazardous cargo, so no hazard label required
- Odourless, as free of solvents and pollutants
- Can be processed down to 0°C, crosslinks in the hours after processing at temperatures as low as -5°C
- High stability without vertical runners



Primer recommendations*	
<b>Mineral substrates</b>	
Concrete and screed (used surfaces)	ELAPRO Primer UN
Concrete and plaster (details, connections), slated/sanded bitumen sheet, glass, timber-based materials (glued laminated timber, OSB among others), timber (untreated), clinker brick	No adhesive primer necessary
<b>Plastic-based substrates</b>	
EPDM, EVA, FPO/TPO, GFK, PIB, PVC (sheets), PVC (hard)	ELAPRO Primer KS
<b>Metallic substrates</b>	
Aluminium, stainless steel, copper, steel, zinc	ELAPRO Primer UN

\*Other substrates on request or see TD123 primer recommendations.

Areas of application
<b>Surfaces, details and connections</b>
<ul style="list-style-type: none"> <li>• Flat roofs</li> <li>• Balconies</li> <li>• Loggias</li> <li>• Pergolas</li> <li>• Floor-to-ceiling windows and door connections to balconies, loggias, pergolas and terraces</li> <li>• Exterior wall surfaces</li> <li>• Earth-covered ceiling surfaces</li> <li>• Indoor containers</li> <li>• Outdoor containers</li> <li>• Base plates with soil contact</li> <li>• Used surfaces outdoors</li> </ul>

Note: We always recommend an adhesive primer test.



# ELAPRO 1k-CRYL

Waterproofing for flat roofs, balconies, buildings etc.



## ELAPRO 1k- CRYL – liquid waterproofing

- European Technical Approval EAD/ ETAG 005: ETA-18/0987 (W3 – 25 years)
- Fire behaviour per DIN 4102-1 and EN 13501-1 (fire class E)
- External fire exposure per DIN 4102-7 and DIN EN 13501-5 (class BROOF (f1))
- Not classed as hazardous material or hazardous cargo, so no hazard label required
- Odourless, as free of solvents and pollutants
- Can be processed from 0% relative humidity
- Can also be processed on alkaline substrates with residual moisture
- High stability without vertical runners



Primer recommendations*	
Mineral substrates	
Concrete and screed (used surfaces)	ELAPRO Primer UN
Concrete and plaster (details, connections), slated/sanded bitumen sheet, glass, timber-based materials (glued laminated timber, OSB among others), timber (untreated), clinker brick	No adhesive primer necessary
Plastic-based substrates	
EPDM, EVA, FPO/TPO, GFK, PIB, PVC (sheets)	ELAPRO Primer KS
PVC (hard)	No adhesive primer necessary
Metallic substrates	
Aluminium, stainless steel, steel	ELAPRO Primer UN
Copper, zinc	No adhesive primer necessary

Areas of application
Surfaces, details and connections
<ul style="list-style-type: none"> <li>• Flat roofs</li> <li>• Balconies</li> <li>• Loggias</li> <li>• Pergolas</li> <li>• Floor-to-ceiling windows and door connections to balconies, loggias, pergolas and terraces</li> </ul>

\*Other substrates on request or see TD113 primer recommendations.

Note: We always recommend an adhesive primer test.

# ELAPRO QuickRepair

Coating for flat roofs, balconies, buildings etc.



## ELAPRO QuickRepair – repair coating

- Not classed as hazardous material or hazardous cargo, so no hazard label required
- Odourless, as free of solvents and pollutants
- Can be processed from -5°C
- Fibre-reinforced, no non-woven material required
- Fast and easy processing
- Permanently elastic, bridges cracks up to 5 mm
- Resealable for next use
- UV-, weather- and chemical-resistant



Primer recommendations*	
Mineral substrates	
Concrete and screed (used surfaces)	ELAPRO Primer UN
Concrete and plaster (details, connections), slated/sanded bitumen sheet, glass, timber-based materials (glued laminated timber, OSB among others), timber (untreated), clinker brick	No adhesive primer necessary
Plastic-based substrates	
EPDM, EVA, FPO/TPO, GFK, PIB, PVC (sheets), PVC (hard)	ELAPRO Primer KS
Metallic substrates	
Aluminium, stainless steel, copper, steel, zinc	ELAPRO Primer UN

\*Other substrates on request or see TD153 primer recommendations.

Areas of application
Surfaces, details and connections
<ul style="list-style-type: none"> <li>• Flat roofs</li> <li>• Balconies</li> <li>• Loggias</li> <li>• Pergolas</li> <li>• Floor-to-ceiling windows and door connections to balconies, loggias, pergolas and terraces</li> </ul>

Note: We always recommend an adhesive primer test.

# ELAPRO Quality

## Test certificates and environmental labels



### 10 good reasons for ELAPRO

- 1

Non-hazardous to health
- 2

No odour nuisance
- 3

Convincing simple
- 4

Maximum weather flexibility
- 5

Long-term stability in storage and re-usability
- 6

High quality and extended warranty
- 7

Absolute service concept
- 8

Easy to understand product range
- 9

Ecological sustainable
- 10

Hansi lives

Learn more



### High quality and extended warranty

Those who work with ELAPRO can rely not only on certified, "Made in Germany" quality, they can also rely on the fact that we consistently evaluate our product range and enhance our products. Thus we always offer forward-looking products - and thanks to the ZVDH material guarantees, our customers benefit from more extensive warranties.



### Non-hazardous to health

Every person who works with the ELAPRO system benefits from the ELAPRO product philosophy. All of ELAPRO's liquid plastics are classified as non-hazardous. They do not contain any harmful substances, such as isocyanates, softeners or solvents - they ensure safe processing and worry-free use. Thanks to ELAPRO, all processing personnel are safe, without skin protection, body protection or respiratory protection; this makes work extremely comfortable in high temperatures. Several ELAPRO liquid plastics were awarded the EMICODE® environmental label in the highest performance class EC 1<sup>PLUS</sup> with the rating "very low emission" and thus they meet the highest environmental and health requirements.

	ELAPRO 1k-SIL	ELAPRO 1k-CRYL	ELAPRO QuickRepair
<b>Test certificates</b>			
<b>European Technical Approval</b> ETA on the basis of EAD 030350-00-040200	19/0623 (W3 - 25-year)	18/0987 (W3 - 25-year)	ELAPRO QuickRepair is a fibre-reinforced special solution for repairs and maintenance (e.g. particularly difficult to access areas). Use of the system does not comply with the technical regulations of the roofing trade and DIN 18531, both of which require use of a non-woven inlay as reinforcement.
<b>Building waterproofing PG-FLK</b>	P-1202/812/20 MPA-BS	---	
<b>Root resistance in accordance with FLL test and DIN EN 13948</b>	Class: Root resistance	---	
<b>External fire performance</b> DIN 4102-7 and DIN EN 13501-5	Class B <sub>Roof</sub> (t1)	Class B <sub>Roof</sub> (t1)	
<b>Fire behaviour</b> DIN 4102-1 and DIN EN 13501-1	Fire class E	Fire class E	Fire class E
<b>EMICODE® EC 1<sup>PLUS</sup> in accordance with GEV</b>	Premium class: Very low emission	---	Premium class: Very low emission
<b>Ecotoxicity test 04/021102-1</b>	Classification: non-toxic	---	Classification: non-toxic
<b>ZVDH material guarantee</b>	Yes	Yes	---



Green. Fast. Safe.

