



# ELAPRO

Exclusive Distributor

**NELSKAMP**



## ELAPRO Products

**1C liquid plastics**

Roofs | Balconies | Terraces | Building structures | Garages | Cellars | and much more



# ELAPRO liquid plastics

Green. Fast. Safe.

## What should I choose and why?

Product	Type	For example, especially popular for	Processing temperature
ELAPRO 1k-SIL	Waterproofing	Renovation for long-term safety	Min. 0 °C
ELAPRO 1k-SIL blu	Waterproofing	Construction for a healthy living environment	Min. 0 °C
ELAPRO 1k-CRYL	Waterproofing	Economical renovation	Min. +10 °C
ELAPRO QuickRepair	Fibre-reinforced sealing compound	Emergency repairs	Min. -5 °C
ELAPRO Topcoat	Wear and tear layer	Walking surfaces, storage surfaces, parking surfaces	Min. +5 °C

## Primer recommendation

Substrate	ELAPRO 1k-SIL	ELAPRO 1k-SIL blu	ELAPRO 1k-CRYL	ELAPRO QuickRepair
<b>Mineral substrates</b>				
Concrete and screed (high-use surfaces)	ELAPRO Primer UN / BE*	ELAPRO Primer UN / BE*	ELAPRO Primer UN	ELAPRO Primer UN / BE*
Concrete and plaster (details, joints), bitumen sheet, glass, timber-based materials (glued laminated timber OSB etc.), timber (untreated), clinker brick	Not necessary	Not necessary	Not necessary	Not necessary
<b>Plastic-based substrates</b>				
EPDM, EVA, FPO/TPO, GRP, PVC (sheets)	ELAPRO Primer KS	ELAPRO Primer KS	ELAPRO Primer KS	ELAPRO Primer KS
PVC (hard)	ELAPRO Primer KS	ELAPRO Primer KS	Not necessary	ELAPRO Primer KS
<b>Metallic substrates</b>				
Aluminium, stainless steel, steel	ELAPRO Primer UN	ELAPRO Primer UN	ELAPRO Primer UN	ELAPRO Primer UN
Copper, zinc	ELAPRO Primer UN	ELAPRO Primer UN	Not necessary	ELAPRO Primer UN

### Notes

Other substrates on request or in the respective product-specific primer recommendations.

Substrates must always be 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.

We always recommend an adhesive primer test.

\*Use in interior spaces to avoid solvent odours.

# ELAPRO 1k-SIL

The all-rounder for long-term safety and protection against water and moisture.



## Waterproofing

### ELAPRO 1k-SIL

ELAPRO 1k-SIL is an EMI CODE® EC 1<sup>PLUS</sup> certified, solvent-free and thus odourless liquid plastic. It is used for waterproofing of surfaces, details and connections of roofs, balconies, loggias, pergolas as well as floor-to-ceiling windows and door connections.

Thanks to its remarkable stability, ELAPRO 1k-SIL enables reliable build-up of layers without undesirable runs. The one-component liquid plastic minimises application errors and maximises processing results. Also there is no pot life; this means that any leftover material will not harden. The container is resealed and the leftover material can still be processed for up to 9 months.

The possibility of using ELAPRO 1k-SIL on many substrates without primer saves time and money in preparation, lowers the overall costs and simplifies stock-keeping. The option of using our ELAPRO QuickDry accelerator enables faster hardening and at the same time protects against unexpected weather influences. Even under difficult weather conditions ELAPRO 1k-SIL is always reliable and ensures a constant quality and predictability for every project. It functions faultlessly under different conditions, even if there is a sudden drop in temperature, with a temperature buffer to -5 °C.

### Material properties

System basis	Silane-terminated polyurethane
Packaging	Metal can
Delivery form	6 kg/12 kg
Stability in storage	At least 12 months
Standard colour	Anthracite grey, silver grey

### Processing-relevant data

Processing temperatures	0 to +40°C
Consumption	At least 3.3 kg/m <sup>2</sup>
Processing time	90 min.
Rainproof / walkable	After 1 hour / 12 hours After 30 min. / 4 hours (with ELAPRO QuickDry)
Recoatibility / work interruption	Up to 24 hours: without pretreatment After 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m <sup>2</sup> with cloths or similar materials)

### Test certificates / ecolabels / notices

ETA005 on the basis of EAD 030350-00-0402	19/0623 / W3 - 25 years
Building waterproofing PG-FLK	P-1202/812/20 MPA-B5
External fire performance DIN 4102-7 and DIN EN 13501-5	Class B <sub>Roof</sub> (f1)
Fire behaviour DIN 4102-1 and DIN EN 13501-1	Fire class E
Root resistance in accordance with FLL test and DIN EN 13948	Class: Root resistance
Ecotoxicity test	Classification: non-toxic
EMICODE® EC 1 <sup>PLUS</sup>	Premium class: Very low emission



## Documentation

Scan the QR code to go directly to the Download area at [www.elapro.de](http://www.elapro.de)



Download technical documentation

# ELAPRO 1k-SIL blu

The eco-friendly sustainable choice for healthy-lifestyle construction and renovation.



## Waterproofing

### ELAPRO 1k-SIL blu

#### A pioneer in sustainability and quality

ELAPRO 1k-SIL blu is the first liquid plastic in Europe in its performance spectrum that has been awarded the Blue Angel ecolabel. In addition, EMICODE® EC 1<sup>PLUS</sup> certified liquid waterproofing is suitable for waterproofing surfaces, details and joints in all exterior spaces and particularly also all interior spaces.





With its diverse applications and technical properties, ELAPRO 1k-SIL is comparable to its original variant, ELAPRO 1k-SIL. ELAPRO 1k-SIL blu likewise has the ETA005 - W3 with a minimum service life of 25 years. The difference is the biocide-free formulation that makes liquid waterproofing particularly attractive for processing in interior spaces or in the direct vicinity of residential and living space, such as balconies, cellar rooms or garage floors. ELAPRO 1k-SIL blu can also be used in conjunction with our accelerator ELAPRO QuickDry.

The ELAPRO 1k-SIL blu container is made of 97% recycled material and production waste; this enables eco-friendly disposal as commercial waste and contributes to waste reduction.

Material properties	
System basis	Silane-terminated polyurethane
Packaging	Plastic container
Delivery form	7 kg
Stability in storage	At least 12 months
Standard colour	Slate grey

Processing-relevant data	
Processing temperatures	0 to +40°C
Consumption	At least 3.3 kg/m <sup>2</sup>
Processing time	90 min.
Rainproof / walkable	After 1 hour / 12 hours After 30 min. / 4 hours (with ELAPRO QuickDry)
Recoatibility / work interruption	Up to 24 hours: without pretreatment After 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m <sup>2</sup> with cloths or similar materials)

Test certificates / ecolabels / notices	
ETA005 on the basis of EAD 030350-00-0402	24/0110 / W3 - 25 years
Building waterproofing PG-FLK	P-1202/812/20 MPA-BS
External fire performance DIN 4102-7 and DIN EN 13501-5	Class B <sub>Roof</sub> (t1)
Fire behaviour DIN 4102-1 and DIN EN 13501-1	Fire class E
Ecotoxicity test	Classification: non-toxic
EMICODE® EC 1 <sup>PLUS</sup>	Premium class: Very low emission
Blue Angel DE-uz233 of RAL gGmbH	Classification: particularly environment-friendly

[www.blauer-engel.de/uz233](http://www.blauer-engel.de/uz233)

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# ELAPRO 1k-CRYL

The economically sustainable choice for renovation and new construction.



## Waterproofing

### ELAPRO 1k-CRYL

ELAPRO 1k-CRYL is the economical variant among the solvent-free, ecologically sustainable and odourless ELAPRO liquid plastics. This liquid waterproofing is used to waterproof surfaces, details and connections of roofs, balconies, loggias, pergolas as well as floor-to-ceiling windows and door connections. The one-component formulation minimises application errors and ensures reliable results. Thank to its high non-sag qualities ELAPRO 1k-CRYL enables a safe layer build-up without undesirable runs. Thanks to the processing time there is less material loss, which enables efficient use of the entire product.

In addition, the odourless product is also characterised by long-term stability in storage of at least 24 months, which ensures stock-keeping and longer availability without complications. This is particularly advantageous if the material is not entirely used up immediately. The remaining material can be used up to 9 months later for a different project.

Also note that ELAPRO 1k-CRYL can also be used on many substrates without primer. This saves time and money and in addition also facilitates the stocking of system accessories.

#### Material properties

System basis	Polyester resin / polyacrylate
Packaging	Plastic container
Delivery form	5 kg/10 kg
Stability in storage	At least 24 months
Standard colours	Black, silk grey

#### Processing-relevant data

Processing temperatures	+10 to +35°C
Consumption	At least 3.5 kg/m <sup>2</sup>
Processing time	25 min.
Rainproof / walkable	After 1 hour / 24 hours
Recoatibility / work interruption	Unlimited, once cleaned

#### Test certificates / ecolabels / notices

ETA005 on the basis of EAD 030350-00-0402	18/0987 / W3 - 25 years
External fire performance DIN 4102-7 and DIN EN 13501-5	Class B <sub>Roof</sub> (f1)
Fire behaviour DIN 4102-1 and DIN EN 13501-1	Fire class E



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Download technical documentation

# ELAPRO QuickRepair

The fast, fleece-free choice for emergencies.



## Fibre-reinforced sealing compound

### ELAPRO QuickRepair

ELAPRO QuickRepair is the ideal solution for fast repairs and emergency repairs. Its technical properties are comparable to those of ELAPRO 1k-SIL. The key difference is that fibre-reinforced ELAPRO QuickRepair does not require a separate non-woven inlay, which significantly facilitates and accelerates the processing task. Also fibre-reinforcement ensures safe waterproofing, even on demanding substrate contours or areas that are difficult to access.

Like all ELAPRO liquid plastics, ELAPRO QuickRepair is free of hazardous substances like isocyanates, softeners or solvents - this ensures maximum safety and a pleasant work environment free of bothersome odours. Its weather flexibility allows processing even at cold temperatures as low as -5 °C. This special temperature stability in conjunction with the possibility of reusing leftover repair compound after first opening for up to 9 months, also makes it possible to keep the material in the vehicle, ready to hand for emergency work.

The capability of using the one-component material on many substrates without primer saves valuable time, particularly in emergency situations or for urgent repair deployments.

#### Material properties

System basis	Silane-terminated polyurethane
Packaging	Metal can
Delivery form	1 kg/4.5 kg
Stability in storage	At least 12 months
Standard colour	Stone grey

#### Processing-relevant data

Processing temperatures	-5 to +40°C
Consumption	At least 1.5 kg/m <sup>2</sup>
Processing time	90 min.
Rainproof / walkable	After 1 hour / 12 hours
Recoatibility / work interruption	Up to 24 hours: without pretreatment After 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m <sup>2</sup> with cloths or similar materials)

#### Test certificates / ecolabels / notices

Fire behaviour DIN 4102-1 and DIN EN 13501-1	Fire class E
Ecotoxicity test	Classification: non-toxic
EMICODE® EC 1 <sup>PLUS</sup>	Premium class: Very low emission



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# ELAPRO Topcoat

The uncomplicated choice for aesthetically demanding surfaces in residential surfaces.



## Wear and tear layer

### ELAPRO Topcoat

ELAPRO Topcoat is used as a wear and tear layer on balconies, terraces, in cellars, hobby rooms and tool rooms, and for garage floors. In conjunction with the underlying waterproofing layer of ELAPRO 1k-SIL or ELAPRO 1k-SIL blu, every system component has the EMICODE® EC 1<sup>PLUS</sup> certification.

When using the ELAPRO QuickDry accelerator it is possible to seal the entire balcony surface finish in a single day. The accelerated hardening of the waterproofing layer makes it possible to apply ELAPRO Topcoat sooner. With or without the accelerator the chips can be tossed directly into the coating while it is still wet. This means that after complete hardening the surface requires neither additional sweeping nor additional sealing in specific areas. The three-step system build-up offers a very cost-effective solution without complications.

The one-component coating minimizes the risk of application errors and ensures high-quality results. With the odourless ELAPRO Topcoat you have the option of achieving anti-slip class R10 with décor chips or even R11 with quartz sand. Thus you have the flexibility to adjust the anti-slip characteristics to meet the requirements to ensure that the surface complies with the necessary safety standards.

The coating is not only impressive with its appealing aesthetics, but also due to its unusual resistance to mechanical stress. It has proven to be a long-term solution even under high mechanical stress, including point load.

Material properties	
System basis	Silane-terminated polyurethane
Packaging	Metal can
Delivery form	12 kg
Stability in storage	At least 12 months
Standard colours	Telegrey 2, Light grey

Processing-relevant data	
Processing temperatures	+5 to +40°C
Consumption	At least 3.0 kg/m <sup>2</sup>
Processing time	90 min.
Rainproof / walkable	After 1 hour / 24 hours
Recoatibility / work interruption	Up to 24 hours: without pretreatment After 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m <sup>2</sup> with cloths or similar materials)

Test certificates / ecolabels / notices	
Fire behaviour DIN 4102-1 and DIN EN 13501-1	Fire class E
EMICODE® EC 1 <sup>PLUS</sup>	Premium class: Very low emission

Very low emission

Free of diisocyanates  
Not subject to a training obligation under REACH Regulation 2020/1449

Commercial waste  
Product residues  
packaging material

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# 10 good reasons for ELAPRO

**1** High health-awareness

**2** Lowest level of emissions

**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** Sustainable environmental awareness

**10** Hansi lives



Learn more

## We are at your service

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