

ELAPRO

Exclusive Distributor

NELSKAMP

ELAPRO products

ELAPRO products

1C synthetic liquids

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

ELAPRO GmbH & Co. KG

Effective 01/09/2026 | 6th edition

ELAPRO synthetic liquids

Reliable. Fast. Safe.

What should I choose and why?

Product	Type	For example, especially popular for	Processing temperature
ELAPRO 1k-SIL	Waterproofing	Roofs, balconies, building structures	Min. 0 °C
ELAPRO 1k-SIL blu	Waterproofing	Interior spaces	Min. 0 °C
ELAPRO 1k-CRYL	Waterproofing	Small-area renovations	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
Mineral substrates				
Concrete and screed (high-use surfaces)	Primer UN	Primer UN	Primer UN	Primer UN
Concrete and plaster (details, joints), bitumen sheet, timber-based materials (glued laminated timber OSB etc.), timber (untreated), clinker brick	Not necessary	Not necessary	Not necessary	Not necessary
Interior: concrete, screed, brickwork, plaster, tiles, glass, and plasterboard	Primer BE	Primer BE	Primer BE	Primer BE
Plastic-based substrates				
EPDM, EVA, FPO/TPO, GRP, PVC (sheets)	Primer KS	Primer KS	Primer KS	Primer KS
PVC (hard)	Primer KS	Primer KS	Not necessary	Primer KS
Metallic substrates				
Aluminium, stainless steel, steel	Primer UN	Primer UN	Primer UN	Primer UN
Copper, zinc	Primer UN	Primer UN	Not necessary	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.

Responsibility at ELAPRO

Learn more about the company, products and documentation: Scan the QR code or visit **www.elapro.de/sustainability/**.

ELAPRO 1k-SIL

The synthetic liquid for broad weather flexibility



Waterproofing

ELAPRO 1k-SIL

ELAPRO 1k-SIL is a one-component synthetic liquid for waterproofing surfaces, details and connections on flat roofs, balconies, loggias, pergolas and floor-to-ceiling window and door connections – from small to large areas. ELAPRO 1k-SIL is EMICODE® EC 1PLUS certified as very low emission and solvent-free according to EMICODE®. Under the CLP Regulation, no hazard pictogram labelling is required. The synthetic liquid also has an ETA with service life category W3 – 25 years.

Simply open and get started

Thanks to its one-component formulation, ELAPRO 1k-SIL can be applied directly from the container. There is no need to mix several components – eliminating the risk of mixing errors. With approx. 90 minutes, there is sufficient time for processing, while the high non-sag qualities enable an even layer build-up on vertical surfaces without undesirable runs. On many substrates, an additional adhesive primer is not required. This saves work steps and reduces the need for additional system accessories. If material remains, the container can be resealed and, when stored correctly, the material can be reused for up to 9 months.

Can be processed from 0 °C

ELAPRO 1k-SIL can also be processed at low temperatures and high humidity. If the temperature drops after application, the material continues to cure down to –5 °C. Once cured, the waterproofing is resistant to snow, frost and rain.

Option: Continue working faster

ELAPRO QuickDry accelerates curing and shortens the waiting time until further processing.

Material properties	
System basis	silane-terminated polyurethane
Packaging	metal can
Delivery form	6 kg/12 kg
Stability in storage	at least 12 months
Standard colours	anthracite grey, silver grey

Processing-relevant data	
Processing temperatures	0 to +40°C
Consumption	at least 3.3 kg/m²
Processing time	90 min.
Rainproof / walkable	after 1 hour / 12 hours after 30 min. / 4 hours (with ELAPRO QuickDry)
Recoatability / work interruption	up to 24 hours: without pretreatment after 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m² with cloths or similar materials)

Certificates, Tests & Listings	
European Technical Assessment	ETA-19/0623 (W3 – 25 years)
General building authority test certificate (abP)	PG-FLK P-1202/812/20 MPA-BS
External fire performance	DIN 4102-7 / DIN EN 13501-5, Class BROOF(t1)
Fire behaviour	DIN 4102-1 / DIN EN 13501-1, Fire class E
Root resistance	FLL test / DIN EN 13948, root-resistant
EMICODE® EC 1PLUS	licence no. 15468
Ecotoxicity tested	test report 04/21102 1a
DGNB navigator	code 81YTA4
QNG-ready	product-specific requirements verified by SHI
SHI database	listed
SHI product passport	central documentation of evidence
Material warranty	filed with the ZVDH

Documentation

Scan the QR code to go directly to the Download area at www.elapro.de.

ELAPRO 1k-SIL blu

The synthetic liquid with the Blue Angel



Waterproofing

ELAPRO 1k-SIL blu

ELAPRO 1k-SIL blu was the first synthetic liquid of its kind in Europe to be awarded the Blue Angel (DE-UZ 233). In addition, the product is EMICODE® EC 1^{PLUS} certified as very low emission and solvent-free according to EMICODE®. Under the CLP Regulation, no hazard pictogram labelling is required. The ETA specifies service life category W3 – 25 years.

For exterior and interior spaces

In terms of its areas of application and technical properties, ELAPRO 1k-SIL blu is comparable to ELAPRO 1k-SIL. The product is suitable for exterior applications as well as interior spaces, for example cellars and garages. Like ELAPRO 1k-SIL, ELAPRO 1k-SIL blu is one-component and can be applied directly from the container.

97% recycled material in the container

The ELAPRO 1k-SIL blu plastic container is made of 97% recycled material. This reduces the use of new plastic for the container.

Option: Continue working faster

In combination with ELAPRO QuickDry, curing can be accelerated and the waiting time until further processing shortened.

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/m²
Processing time	90 min.
Rainproof / walkable	after 1 hour / 12 hours after 30 min. / 4 hours (with ELAPRO QuickDry)
Recoatability / work interruption	up to 24 hours: without pretreatment after 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m² with cloths or similar materials)

Certificates, Tests & Listings	
European Technical Assessment	ETA-24/0110 (W3 – 25 years)
General building authority test certificate (abP)	PG-FLK P-1202/812/20 MPA-BS
External fire performance	DIN 4102-7 / DIN EN 13501-5, Class BROOF(t1)
Fire behaviour	DIN 4102-1 / DIN EN 13501-1, Fire class E
Blue Angel (DE-UZ 233)	awarded
EMICODE® EC 1^{PLUS}	licence no. 18008
Ecotoxicity tested	test report 04/21102 1a
DGNB navigator	code 9620AI
QNG-ready	product-specific requirements verified by SHI
SHI database	listed
SHI product passport	central documentation of evidence

Documentation

Scan the QR code to go directly to the Download area at www.elapro.de.

ELAPRO 1k-CRYL

The synthetic liquid for economical small-area waterproofing



Waterproofing

ELAPRO 1k-CRYL

ELAPRO 1k-CRYL is particularly suitable for waterproofing smaller areas on flat roofs, balconies and building structures. With service life category W3 – 25 years, ELAPRO 1k-CRYL also has a corresponding ETA. Under the CLP Regulation, no hazard pictogram labelling is required.

Economical and flexible processing

On many substrates, an additional adhesive primer is not required – this saves work steps and reduces the need for additional system accessories. The high non-sag qualities enable an even layer build-up on vertical surfaces. ELAPRO 1k-CRYL cures quickly even at low humidity. Even after longer work interruptions, already cured surfaces can be recoated directly with ELAPRO 1k-CRYL after cleaning, without renewed reactivation.

Long-term storage and reuse

With a stability in storage of 24 months, ELAPRO 1k-CRYL is also suitable for stock-keeping. Unused material can be resealed and, when stored correctly, reused for up to 9 months. Remaining material can therefore also be used for later projects.

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/m²
Processing time	25 min.
Rainproof / walkable	after 1 hour / 24 hours
Recoatability / work interruption	unlimited, once cleaned

Certificates, Tests & Listings	
European Technical Assessment	ETA-18/0987 (W3 – 25 years)
External fire performance	DIN 4102-7 / DIN EN 13501-5, Class BROOF(t1)
Fire behaviour	DIN 4102-1 / DIN EN 13501-1, Fire class E
Ecotoxicity tested	test report 04/21102 1b
Material warranty	filed with the ZVDH

Documentation

Scan the QR code to go directly to the Download area at www.elapro.de.

ELAPRO QuickRepair

The synthetic liquid for repairs without a non-woven inlay



Fibre-reinforced sealing compound

ELAPRO QuickRepair

ELAPRO QuickRepair is a one-component, fibre-reinforced synthetic liquid for fast repairs and emergency repairs to surfaces, details and connections on flat roofs, balconies and building structures. Its technical properties are comparable to those of ELAPRO 1k-SIL. The key difference: the integrated fibre reinforcement means that no separate non-woven inlay is required. This reduces work steps and enables fast processing – particularly on complex details, demanding substrate contours and areas that are difficult to access.

ELAPRO QuickRepair is EMICODE® EC 1PLUS certified as very low emission and solvent-free according to EMICODE®.

Ready for use even at low temperatures

ELAPRO QuickRepair can be processed down to –5 °C and also at high humidity. On many substrates, an additional adhesive primer is not required, so the repair can be carried out directly. This simplifies preparation, especially for short-notice jobs.

Ready for the next job

Opened containers can be resealed and, when stored correctly, reused for up to 9 months. This means unused material remains available for the next job.

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/m²
Processing time	90 Min.
Rainproof / walkable	after 1 hour / 12 hours
Recoatability / work interruption	up to 24 hours: without pretreatment after 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m² with cloths or similar materials)

Certificates, Tests & Listings	
External fire performance	DIN 4102-7 / DIN EN 13501-5, Class BROOF(t1)
Fire behaviour	DIN 4102-1 / DIN EN 13501-1, Fire class E
EMICODE® EC 1PLUS	licence no. 16005
Ecotoxicity tested	test report 04/21102 1a

Documentation

Scan the QR code to go directly to the Download area at www.elapro.de.

ELAPRO Topcoat

The synthetic liquid for walkable and trafficable surfaces



Wear and tear layer

ELAPRO Topcoat

ELAPRO Topcoat is a one-component coating for walkable and trafficable surfaces such as balconies, terraces, loggias and pergolas, as well as cellars, hobby rooms, tool rooms and garage floors. As a wear and tear layer, ELAPRO Topcoat is part of the ELAPRO Floor system with ELAPRO 1k-SIL or ELAPRO 1k-SIL blu as waterproofing. From the primer and waterproofing through to the coating, the individual components of the system build-up are consistently EMICODE® EC 1PLUS certified as very low emission and solvent-free according to EMICODE®.

Durable and individually designed

The self-levelling coating supports an even finish and, once cured, is highly resistant to mechanical stress – including point loads. ELAPRO Chips in 29 colours and various grain sizes enable individual surface design. They are scattered directly into the coating while it is still wet. No additional sealing is required, eliminating another work step.

From R9 to R11

Depending on the system build-up, ELAPRO Topcoat can achieve slip-resistant surfaces from R9 to R11 in accordance with DIN EN 16165:2021-12 Annex B – without décor, with ELAPRO Chips or with ELAPRO Q712 (quartz sand). This allows the surface to be adapted to the intended use.

Option: Balcony system build-up in one day

Using ELAPRO QuickDry in the waterproofing accelerates curing and shortens the waiting time until the subsequent coating with ELAPRO Topcoat. This makes a balcony system build-up possible in one day

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/m²
Processing time	90 min.
Rainproof / walkable	after 1 hour / 24 hours
Recoatability / work interruption	Up to 24 hours: without pretreatment After 24 hours: Pre-treatment with ELAPRO Cleaner (150 g/m² with cloths or similar materials)

Certificates, Tests & Listings	
Fire behaviour	DIN 4102-1 / DIN EN 13501-1, Fire class E
Slip resistance – DIN EN 16165:2021-12 Annex B, DGUV Test	
– without decorative finish	R9 – Certificate No. IFA 2204137
– with ELAPRO Chips (approx. 70 g/m²)	R10 – Certificate No. IFA 2204139
– with ELAPRO Q712 quartz sand (approx. 4 kg/m²)	R11 – Certificate No. IFA 2204138
EMICODE® EC 1PLUS	licence no. 15469
DGNB navigator	code YRI8ML
QNG-ready	product-specific requirements verified by SHI
SHI database	listed
SHI product passport	central documentation of evidence

Documentation

Scan the QR code to go directly to the Download area at www.elapro.de.

More than synthetic liquids.

From synthetic liquids and waterproofing slurries to additional system components: We support you throughout your project – from technical advice and planning to training and on-site support.

You can find our entire product range and all services at www.elapro.de.

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