



Flat roofs, balconies and buildings:  
Details, connections, small to large surfaces



**NELSKAMP**

Official sales partner

ETA - 19/0623 on the basis of  
EAD 030350-00-040200  
W3 - 25 years

Fire behaviour DIN 4102-1 and  
DIN EN 13501-1  
Fire class E

External fire performance  
DIN 4102-7 and DIN EN 13501-5  
Class B<sub>Roof</sub> (t1)

Building waterproofing PG-FLK  
P-1202/812/20 MPA-B5

Root resistance in accordance with  
FLL test and DIN EN 13948

ZVDH material guarantee

---

EMICODE® EC 1<sup>PLUS</sup>  
Premium class: Very low emission

Ecotoxicity test 04/021102-1  
Classification: non-toxic



# ELAPRO 1k-SIL

Liquid waterproofing for flat roofs, balconies and buildings

- EMICODE® EC 1<sup>PLUS</sup> certified – Premium class: very low emissions
- 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



ELAPRO PRODUCT PHILOSOPHY

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



Non-hazardous to health



Environmentally friendly



Convincingly simple



Certified quality



Processing video  
Light well waterproofing

# ELAPRO 1k-SIL

1k- Liquid waterproofing for flat roofs, balconies and buildings

## 10 good reasons for ELAPRO

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
Non-hazardous to health	No odour nuisance	Convincing simple	Maximum weather flexibility	Long-term stability in storage and re-usability	High quality and extended warranty	Absolute service concept	Easy to understand product range	Ecological sustainable	Hansi lives 

*Learn more* →



## Your advantages in processing – Green. Fast. Safe.

**Safety-certified.** ELAPRO 1k-SIL has ETA - 19/0623 on the basis of EAD 030350-00-0402 (W3 – 25 years) and approval PG-FLK P-1202/812/20 MPA-BS for building waterproofing. It is also resistant to sparks and radiant heat in accordance with DIN 4102-1 and EN 13501-1.

**Rapid crosslinking.** ELAPRO 1k-SIL hardens quickly from temperatures as low as 0°C and forms a rain, snow and frost-resistant layer.

**Unpredictable weather conditions.** Whether in drizzle or falling temperatures, the material hardens to form a rainproof and lasting protective layer after processing.

**Diffusible.** The hardened, dense film allows the water vapour formed within the building to flow out via diffusion (Sd value of 2.1 mm from approx. 4.4 m).

**Environmentally friendly and safe.** ELAPRO 1k-SIL is free of solvents, softeners and isocyanates. It does not contain any pollutants subject to labelling and can be disposed of as domestic/commercial waste. No body protection, skin protection and respiratory protection required.

**Odourless.** ELAPRO 1k-SIL does not emit any odours during and after processing.

**Strong adhesion.** ELAPRO 1k-SIL adheres directly to many substrates without needing a primer.

**High level of stability in storage and resealable.** ELAPRO 1k-SIL has a shelf life of at least 12 months. Open containers can be resealed and used for up to a further 9 months.

Material and processing	
Characteristics	Description
System basis	Silane-terminated polyurethane
Hardening/crosslinking	Humidity
Viscosity	Viscous, thixotropic
Delivery form	Metal can: 6 kg/12 kg
Stability in storage/ Storage	At least 12 months/Cool, frost-free, dry, sealed tight
Standard colours	Anthracite grey, silver grey
Relative humidity	25 to 100%
Processing temperatures	0 to +40°C
Substrate temperatures	0 to +60°C, at least 3°C above dew point
Residual substrate moisture	dry to slightly damp
Consumption	At least 3.3 kg/m <sup>2</sup>

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, GRP, PIB, PVC (sheets and 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.

Note: We always recommend an adhesive primer test.



Green. Fast. Safe.

