

ELAPRO QuickRepair

TD152 Processing Instructions

Quick guide

- Processing of the substrate and the material
- Assess the need for an adhesive primer (see TD153)
- Apply ELAPRO QuickRepair on the substrate

Processing-relevant data

Relative humidity ¹	25 to 100%
Processing temperature	-5 to +40°C
Substrate temperature ¹	-5 to +60°C
	Min. 3°C above the dew point
Residual substrate moisture	Dry to slightly damp
Consumption ²	Min. 1.5 kg/m ²
Processing time ^{3,4}	90 min.
Rainproof ⁴	After 30 minutes (20°C/50% RH)
Walkable ⁴	After 24 hours (20°C/50% RH)
Crosslinking complete ⁴	After 72 hours (20°C/50% RH)
Recoatible / Interruption of work	Up to 24 hours, clean and roughen afterwards

¹During processing, the surface temperature must be 3°C above the dew point. At lower temperatures - generally above 85% RH - 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.

²On highly absorbent or uneven substrates, the total consumption may exceed 1.5 kg/m².

³Avoid direct sunlight. The container must be sealed airtight during extended breaks from work.

⁴Measurements 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



Preparing the substrate

The surface must be clean, dry, smooth, level and stable. Dust, oil, grease and other separating substances must be removed. Bubbles must be burst and levelled to form a stable surface. Concrete and cement substrates as well as tiled surfaces must be prepared by removing material. Grinding increases the surface and is therefore recommended to achieve better adhesion. Application on residual damp mineral substrates is possible.

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Processing information

Specialists and trained personnel must assess whether the substrate is appropriate and carry out subsequent preparatory works. Only in this way is lasting, sustainable waterproofing possible.

Water exchange areas can have an adverse effect on the waterproofing and must be avoided. Insufficient slopes to the drain can also cause harmful algae growth, puddles and water retention.

QuickRepair can be used to fill gaps and cavities.

Preparing the material

Before using ELAPRO QuickRepair, stir it well but slowly to avoid adding air bubbles - stir down into the corners of the container. The product is thixotropic. The longer the material is stirred, the more it liquefies. When left to stand - both in the container and after application - it solidifies again. Ideally, apply the product with a roller (rubber squeegee, short-fibre roller, paintbrush, notched squeegee). ELAPRO QuickRepair must not be diluted.

Primer

A check must be conducted to assess whether an adhesive primer is necessary. ELAPRO QuickRepair is compatible with the ELAPRO Primer KS and Primer UN adhesive primers. See document TD153 ELAPRO QuickRepair Primer Recommendation for an overview of substrates for which an adhesive primer is required. If an adhesive primer is used, it must be stirred before processing and applied as a thin film with a solvent-resistant soft paint roller. After drying for roughly min. 15 minutes, it can be recoated with ELAPRO QuickRepair. You can also apply liquid plastics later. If the surface becomes soiled in the meantime, it must be cleaned again. The adhesive primer does not have to be reapplied. The efficiency of the adhesion between the substrate and adhesive primer can also be influenced by external conditions like direct solar irradiation and heated substrates. Under the conditions described, we recommend double the consumption of the adhesive primer used.

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.

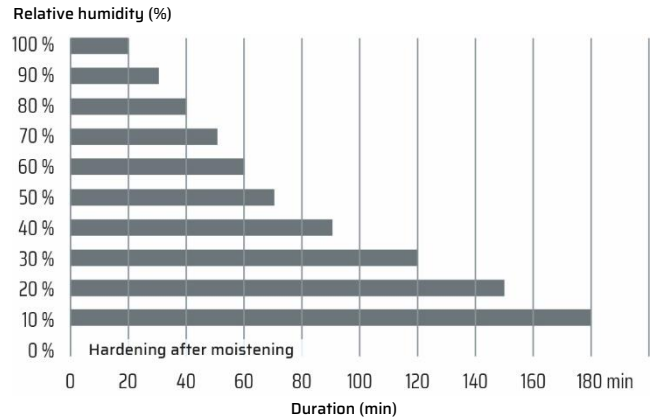
Substrate	Substrate preparation
Concrete and screed (used surfaces)	ELAPRO Primer UN
Concrete and plaster (details, connections)	Primer not necessary
Bitumen sheet, slated/sanded	Primer not necessary
Glass	Primer not necessary
Timber-based materials (glued laminated timber, OSB among others)	Primer not necessary
Wood (untreated)	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)	ELAPRO Primer KS
Aluminium	ELAPRO Primer UN
Stainless steel	ELAPRO Primer UN
Copper	ELAPRO Primer UN
Steel	ELAPRO Primer UN
Zinc	ELAPRO Primer UN
Other substrates	See TD153

Coating

Apply at least 1.5 kg of ELAPRO QuickRepair per square metre on the substrate as an even layer.

Note: ELAPRO QuickRepair is a fibre-reinforced special solution for repairing 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 the use of a non-woven inlay as reinforcement.

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

Occupational safety

We recommend that you wear protective glasses and gloves.

Compatible system components

- ELAPRO Primer KS / UN
- ELAPRO Cleaner

Associated documents

Please refer also to the following documents:

- TD151 Technical Data Sheet
- TD153 Primer Recommendation
- TD154 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. 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.