

Technical Commercial data Sheet

Elaver Plus

Colored liquid membrane for waterproofing and asbestos wrapping



- Temperature reduction on the roof surface
- Colored and waterproofing
- Highly elastic
- Vapor barrier
- Perfectly compatible to adhesives with mixed binders
- Easy application on complex surfaces
- Certified for asbestos wrapping in Italy

Liquid waterproofing coating for encapsulating asbestos cement

- Certified for encapsulating asbestos cement
- Coloured and waterproof
- Highly elastic
- Creates a vapour barrier
- Fully compatible with bonding agents with mixed binders
- Recommended for complex surfaces
- Can be covered immediately with ceramic tiles
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Substrates:

- Asbestos cement and fibre cement
- Old bituminous coatings
- Tar
- Concrete and cement mortar
- Tile

Do not apply on:

- Mortar containing hydraulic lime or plaster
- Bituminous coatings or mantles before chalky areas or oily films have disappeared from the surface (generally 3 months after coatings are applied)

Suitable:

- For restoring the waterproofing of terraces before ceramic tiles are laid

Unsuitable:

- For replacing coatings in roll form for waterproofing large surfaces or for waterproofing swimming pools or containers of liquids
- For being walked on directly, unless for service or maintenance purposes



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Elaver Plus

INFORMATION ON PACKAGE

Packaging:

5 kg bucket
20 kg bucket

Appearance:

white, grey or red paste

Shelf life:

Validity of performance specifications: 12 months in intact packages protected from freezing and excessively high temperatures

Yield per package:

5 kg bucket: 2-3.3 sq.m.
20 kg bucket: 8-13.3 sq.m.

AMOUNT REQUIRED

Product	Amount	Thickness
Elaver Plus	1.5-2.5 kg/sq	for 310-440 µm

APPLICATION SPECIFICATIONS

This product is ready-to-use.

Must be applied straight out of the container. If necessary, the product used for the first coat only may be diluted with water (max. dilution water by volume: 10%)

TOOLS

- Brush
- Roller
- Large brush
- Spray (airless)

SUBSTRATE PREPARATION

The substrates must be stable and clean, and all weakened areas and greasy substances must be removed. Bituminous substrates and old coatings with detached sections or blisters must be flamed and restored; asbestos cement substrates that are covered with moss and mold must be washed beforehand with a 10% sodium hypochlorite solution and carefully brushed 3 hours later. Before laying over old tiles, make sure they are firmly fixed and clean them with alkaline detergents.

APPLICATIONS

- Mix well.
- Using a brush, airless sprayer, large brush or steel trowel, apply two uniform coats of Elaver Plus to the substrate, up to a maximum thickness of 1 mm per coat. Wait 1 hour between coats.
- Lay the new flooring 3 hours after the second coat.
- Wash tools with water.
- The coating can be covered directly with ceramic tiles using adhesives with mixed binders.

ENCAPSULATING ASBESTOS CEMENT

- Mix well.
- Spray two uniform coats of Elaver Plus up to a maximum thickness of 1 mm per coat onto the substrate. The second coat must be in a contrasting color. Wait at least 6 hours between coats. In any event, the final thickness must be at least 310 µm, which is equivalent to a use of approx. 1.8 kg/m².

PRECAUTIONS AND RECOMMENDATIONS

- Application temperature: +10°C to +35°C
- Apply on dry substrates
- In case of rain, protect Elaver Plus for the first 6 hours after application
- Do not apply when there is a risk of frost or under direct sunlight
- Do not leave buckets exposed to sunlight before use
- Do not use on surfaces where water may pool
- Perform operations on asbestos cement and dispose of the relative waste in compliance with Minist. Decree dated 20/08/99 from the Ital. Ministry of Health and with local health regulations



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Technical Features		Elaver Plus
Colors		White, grey, red
Specific Weight		1,3 kg/l
Stiffness		Viscous paste
Elongation at breaking		200%
Water permeability		None
Operation temperature		-18°C +70°C
Dry at touch*		3 h
Deep drying*		24 / 36 h
Pause between to coat		1 h
Insensibility to rain or dew*		6 h
Waiting time to place ceramics*		3 h from second coat
Consumption per 310 – 440 µm of thickness		1.8 - 2,5 kg/m ²
Adhesion strength:	EN 14891:2012	≥ 0,5 N/mm ²
Adhesion strength after water immersion:		≥ 0,5 N/mm ²
Adhesion strength after heat ageing:		≥ 0,5 N/mm ²
Adesione dopo immersione in acqua di calce:		≥ 0,5 N/mm ²
Adhesion strength after freeze-thaw cycles:		≥ 0,5 N/mm ²
Waterproofing:		No penetration
Crack-bridging ability:		≥0,75 mm
Release of dangerous substances		see MSDS
Certifications		
Certificate n° 13/315/00 of 01/09/2000 released by <i>Politecnico di Torino – Dipartimento Di Scienza dei Materiali e Ingegneria Chimica</i> that declares the: "conformity to what asked by the law decree of the Ministry of Health of 20/08/99 for type A encapsulants".		

* These times calculated for 22°C and R.H. of 50% should be increased for low temperatures and higher RH values, and reduced for higher temperatures

Our products foresee proper application and storage modalities.

The items of this technical data sheet are marketed by Saint Gobain Isover Italia. Consequently, the data here indicated have been obtained from the supplier's documents. The products are meant for proper modalities of application and storage and the technical data present in this document are indicative.

Saint Gobain PPC Italia has the right to carry out the changes or variations believed to be proper any time with no need of notice.



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