

# ElaProof Classic H Instructions for use

## Preparations

- Clean the surface carefully of dirt, sand, grease, loose water, organic vegetation, old layers of paint or coatings and other frail material.
- Depending on the condition of the surface, use a high-pressure washer or a brush for cleaning.
- It is recommended that porous surfaces, such as concrete, are prepared by applying ElaProof Primer for securing optimal adhesion and tightness of the coating.
- When needed, use protective equipment. ElaProof as such is safe but it is always strongly recommended to use e.g. eye protection and safety equipment when working on roofs.

## Sealing of holes and crack

- Smaller holes and cracks can be filled and covered with ElaProof without special preparations.
- For larger holes and cracks (over 2 mm wide, over 5 mm deep) use of ElaProof Base Fabric is recommended. First spread ElaProof on the edges of the hole or crack. Then press Base Fabric into the moist ElaProof mass. Ensure with a trowel or a spatula that there are no wrinkles in the Base Fabric and it is firmly attached to the ElaProof mass. Finally, spread another layer of ElaProof over the Base Fabric before or after the first layer has dried.

## Application

- ElaProof shall be applied in temperatures over +10°C (air and surface) and relative humidity of less than 80%.
- ElaProof H mass can be applied easily with hand tools such as spatula or short-hair brushes.
- If necessary, the product can be diluted 1 to 2 percent by weight (1.7 to 3.4 dl for a 15 litre container). If you dilute the product, start with a small amount of water and add more if necessary.
- The right amount of ElaProof for surface-covering coating depends on the evenness and porosity of the surface. For smooth surfaces an average of 1.0 l / m<sup>2</sup> is required, whereas approx. 1.8 l / m<sup>2</sup> is required for rough concrete surfaces. Sufficient coating thickness secures its long-term durability.
- ElaProof H can be applied in one or several layers. It can be applied also on damp or rusty underlayer.
- The product can also be used on new concrete substrates with remaining residual moisture. In this case, the maximum moisture content is 90% RH measured at the assessment depth A, following the instructions of RT Card 103333 (this applies in Finland, please check your local instructions). The surface of the concrete must be drier than assessment depth A at the time of coating. If it's a concrete substrate that has become wet after the fact, for example, due to rain, the moisture content should be a maximum of 85% RH at assessment depth A and a maximum of 75% RH on the surface of the concrete. For dense substrates like metal and felt roofs, they

should be dry at the time of coating.

## Drying

- The ElaProof H coating compound dries by evaporating water.
- The drying time depends on the layer thickness, the ambient temperature and relative humidity, dew point, and the absorbency of the surface to which the mass has been applied.
- Drying time
  - • Touch dry (+20°C, 50% RH, 1,5 l/m<sup>2</sup>) 3 – 4 h
  - • Touch dry (+6°C, 25% RH, 1,5 l/m<sup>2</sup>) 40 h
  - • Fully dry (+20°C, 50% RH, 1,5 l/m<sup>2</sup>) 1 day
  - • Full mechanical properties (+20°C, 50% RH, 1,5 l/m<sup>2</sup>) 3 weeks

## Tool cleaning and waste handling

- Wash the tools and surrounding surfaces with water immediately after application. After drying, cleaning of ElaProof can be done mechanically (e.g., the spatula can be cleaned with a knife) or with organic solvents (e.g., xylene).
- ElaProof H packaging can be disposed as energy waste. Dried ElaProof can be disposed as normal mixed waste.

## Please note!

- Store ElaProof H coating mass in temperatures between +10°C ... +40°C and protected from direct sunlight. The product must not freeze before use.
- ElaProof H can be stored unopened for minimum 12 months. After use, close the bucket carefully for maximising the storability of the remaining coating mass.
- A dried ElaProof H coating can be painted with elastic, waterborne, breathable paints. It is advisable to test the compatibility of ElaProof and a specific paint in advance.
- More technical information is available from [info@buildcare.fi](mailto:info@buildcare.fi).
- ElaProof H is listed in the Nordic Ecolabelling construction product database and can be used in Swan-labeled buildings.

All the information presented above is based on research results, our current knowledge and experience. They do not remove the responsibility of the user of the product to carry out his own tests and experiments, so that all factors and conditions that may affect the installation and use of the products should be considered. No guarantees regarding the properties or suitability of the product for specific purposes can be given based on this information. All descriptions, drawings, photos, information, proportions, portion sizes, weights, etc. are indicative. We are not responsible if the product is used contrary to the instructions presented here. It is the responsibility of the user of the product to test the suitability of the product for the purpose of use. We are only responsible for the quality of the product and guarantee that it will pass our critical quality control. Product information is updated regularly, however, it is the user's responsibility to obtain the latest valid product information, which can be found at [www.elaproof.com](http://www.elaproof.com). We reserve the right to make changes. © Build Care Oy