

ELAPROOF™

ELAPROOF H COATING MASS PROTECTIVE ELASTIC COATING

TYPICAL USES OF ELAPROOF:

- for extending lifetime of aging roofs
- for sealing ducts and grommets
- for protecting plinths
- for air tightening and radon barrier
- for waterproofing and sealing
- for repairing leaks
- for patching or bridging holes, cracks, etc.
- for preventing corrosion and repairing corrosion damage

ELAPROOF ADVANTAGES:

- ElaProof is a one component solution, easy and instantly ready to use
- ElaProof can be applied without any difficult protective equipment
- ElaProof maintains its elasticity and does not crack e.g. due to thermal expansion or movement of structures
- ElaProof offers complete uv protection
- ElaProof is a Finnish coating innovation, which can withstand even the most demanding conditions
- ElaProof enables easy and reliable sealing of cracks and holes
- ElaProof is completely safe for people and the environment
- ElaProof has excellent adhesion to most surfaces and building materials



ELAPROOF H COATING MASS

INSTRUCTION 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 CRACKS

- 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 nonwoven is recommended. First spread ElaProof on the edges of the hole or crack. Then press nonwoven into the moist ElaProof mass. Ensure with a trowel or a spatula that there are no wrinkles in the nonwoven and it is firmly attached to the ElaProof mass. Finally, spread another layer of ElaProof over the nonwoven before or after the first layer has dried.

APPLICATION

- ElaProof shall be applied in temperatures over +10°C.
- ElaProof H mass can be applied easily with hand tools such as spatula or short-hair brushes.
- 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 / m² is required, whereas approx. 1.8 l / m² 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.

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.
- 1 mm thick layer is typically weatherproof in 6-7 hours (+20°C, 45% RH, 1.5 l/m²). Full mechanical properties are reached in about 3 weeks. Changes in temperature and relative humidity affect the drying time significantly. In low temperatures and high humidity, the drying time can be several days (2-3 days when +10°C, RH 60%, 1.5 l/m²), during which time the coating shall be protected from rain and freezing.


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.

TO BE OBSERVED

- 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 maximizing 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.

TECHNICAL INFORMATION	Material feature:	one-component
	Operating temperature:	above +10°C
	Consumption:	1.0 - 1.8 l/m ² (depends on the porosity of the surface)
	Water solubility:	can be blended with a small amount of water if used in warm conditions
	Drying time (+20°C, 45% RH, 1.5 l/m ²):	weatherproof 6 – 7 h
	Crack bridging ability (+22°C, thickness 0.6 mm):	10.3 mm
	Water vapor permeation coefficient (breathability):	7.21 x 10 ⁻¹⁴ kg/(m • s • Pa)
	Water vapor permeation:	18 g / m ² / day
	Temperature resistance:	-30°C - +150°C
	Water resistance (UV, thermal and moisture resistance):	excellent



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