

When repairing an old one or building a new one, the Finnish isocyanate-free ElaProof S spraymass offers the perfect solution for your property needs. It is an economical, durable, and long-lasting one-component sprayable elastomer for professional use. The product is ideal for water and moisture insulation as well as sealing in buildings and structures. Applications indoors and outdoors e.g. roofs, plinths, sawmill dryers, damp rooms, courtyards and lightweight gravel and gypsum board surfaces. ElaProof S is listed in the Nordic Ecolabelling construction product database and can be used in Swan-labeled buildings.



PREPARATIONS

- Clean the surface from dust, loose previous paintings or coatings and other particles.
- High pressure wash is recommended min 200 bar.
- If there are clearly damaged areas or visible cracks an application of ElaProof H hand coating is recommended before spraying: 1) cleaning of surface, 2) applying ElaProof H, 3) installing Base fabric in the wet surface, 4) applying ElaProof H to finish on top of the Base fabric.
- Prime with ElaProof Primer if necessary. Priming is recommended for porous materials such as new or old concrete surfaces, mineralite, plastered surfaces and gypsum. The treatment improves the adhesion of ElaProof to the substrate and prevents the formation of air bubbles. Air bubbles rising to the surface are often a sign of too little priming. ElaProof Primer is suitable for indoor and outdoor use.

SITE PROTECTION

- Protect area around surface from splatter.
- Before starting the construction site, it is recommended to check the weather and wind conditions as well as the weather forecast.
- The finished ElaProof coating must be protected from frost and rain until the film has dried. ElaProof S is touch dry in 3-4 hours after applying (+20°C, RH 45 %, 1,5 l/m²).

SITE PREPARATIONS

- Place spraying equipment to a position where it can be easily washed with water after spraying.
- Install blender to the ElaProof S barrel and start blending.
- In case product appears to be too stiff a small amount of water (max 1 volume-%) can be added, product needs to be liquid enough to go through the spraying pump.

FILL IN SITE REPORT

- During installation, a site report on the installation must be completed. The manufacturer cannot verify and be responsible for the performance of a substance if its installation conditions and method of installation are not properly documented.

SPRAYING

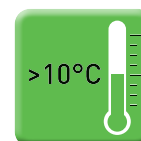
- Use ElaProof S in temperatures between +10°C and +40°C
- Pressurise the pump first by using water and then move the hose to ElaProof barrel.
- Start applying ElaProof to the surface, pump pressure 150-400 bar.
- In case there are breaks during application it is recommended to drown the pump pistol in a water bucket.

CLEANING THE EQUIPMENT AFTER SPRAYING

- After spraying the inlet hose is to be moved to a water barrel and water is to be sprayed until there is no outcoming ElaProof
- The equipment is to be cleaned by using high pressure hose and washing liquid (e.g. Pineline)

PLEASE NOTE!

- Storage ElaProof S in temperatures between +10°C ... +40°C and protected from direct sunlight. The product must not freeze before use.
- A dried ElaProof S 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.
- ElaProof S is listed in the Nordic Ecolabelling construction product database and can be used in Swan-labeled buildings.



Technical information

SPECIFICATIONS (WET PRODUCT) • STANDARD

Binding agent: waterborne polymer dispersion

Colours: black, grey, red, RR11, RR23 and RR32 – can be painted over¹⁾

The product is CE marked as a construction product in accordance with the harmonized product standards EN 13813 and EN 1504-2

Dry matter content: 63 ± 1 % • ISO 3251:2008

Acidity (pH): 7-8

Density: 1,12 ± 0,3 g/ml • ISO 2811-1:2016

Flammability: does not ignite, does not flash

Minimum Film Formation Temperature (MFFT): < 0°C

Operating temperature: over +10°C

Drying time

• Touch dry (+20°C, 50% RH, 1,5 l/m²) 3 - 4 h

• Touch dry (+6°C, 25% RH, 1,5 l/m²) 40 h

• Fully dry (+20°C, 50% RH, 1,5 l/m²) 1 vrk

• Full mechanical properties (+20°C, 50% RH, 1,5 l/m²) 3 weeks

Storage time: min. 12 months (see package for manufacturing date)

Storage: Product must not freeze. Protect for direct sunlight.

¹⁾ Can be painted over with most water-based, breathable and elastic paints.

FEATURES (COATING) • STANDARD

Fire class: C-s1,d0 and BROOF (t2) • EN 13501-1 and -5

Adhesion strength, without primer: 1 - 4 N/mm² • EN 1542:1999

Tensile strength: 2,3 N/mm² • ISO 527-1:1993

Elongation at break: 810 % • ISO 527-2 applying

Tear strength: 9,3 ± 1,3 MPa/m² • ISO 527-1:1993

Shore A hardness: 54 ± 4 • EN 868:2003

Wear resistance: <3000 mg EN ISO 5470-1 (Taber wear test)

Impact resistance: class I • EN ISO 6272-1

Crack bridging ability

• 10,1 mm [+22°C, 50 % RH, thickness 0,6 mm] • EN 1062-7, method A applying, class A5

• approved [-20°C, thickness 0,6 mm] • EN 1062-7, method A applying, class A4

Water vapor permeation: 18 g / m² / day • EN 12572

Water vapor diffusion coefficient: δ, kg/(m·s·Pa) 9,63·10⁻¹³ • EN 12572

Diffusion resistance, S_d-value: 2,02 • EN 12572

Water tightness (+20°C, 14 day, 100 mm water immersion): tight • EN 1928

Temperature resistance

• Long term: -30°C ... +150°C

• Short term: max. +190°C

Weather resistance (UV, thermal and moisture resistance): excellent

Chemical resistance

• Excellent alkaline resistance

• Good inorganic acid resistance

• Limited resistance to organic acids and solvents

Electrical conductivity: does not conduct electricity



ElaProof S products

ElaProof S	Colour	EAN/GTIN	CODE
Spraymass 160 l	Black	6430068690068	2160
	Grey	6430068690266	2160G
	Red	6430068690273	2160R
	RR11 - Green	6430068690709	2160RR11
	RR23 - Dark grey	6430068691133	2160RR23
	RR32 - Brown	6430068690693	2160RR32

Delivery time for ElaProof S is approx. 2 weeks from the order or by agreement.

PLEASE NOTE!

Colours are as close to the correct shade as it is technically possible.

Tools for spraying:

- ElaProof S is sprayed with a high pressure spraying equipment for professional use, at a pressure of 150-400 bar
- Spray hose and suction hose from barrel to sprayer
- Mixer for mixing ElaProof S during spraying
- Water barrel or cave and empty buckets
- Pressure washer
- Washer fluid (e.g. Pinline)

