



TECHNICAL DATA SHEET

ElaProof Indoor

1. ELAPROOF INDOOR

ElaProof Indoor is a waterborne, one-component polymer emulsion. It is completely solvent-free, environmentally-friendly coating product which has the best indoor air classification EMICODE EC1+ for volatile emission. The product is ready-to-use and almost odourless. ElaProof Indoor sealing mass has good adhesion to many kinds of dry or damp surfaces - especially rough, porous or net-like. The coating is usually applied to 1 mm thickness (dry film) corresponding to approximately 1,6 l/m² of spreading rate (wet film). The product is drip-free and can be applied to both horizontal and vertical surfaces.

ElaProof Indoor forms durable and highly elastic, water and air-tight surface that adapts to the thermal and moisture movements of surfaces without peeling. The product is suitable for indoor and outdoor use. It is recommended to use ElaProof Primer as a primer for particularly porous substrates.

2. APPLICATIONS

ElaProof Indoor coating and sealing mass is especially designed to be used in air and radon sealing. ElaProof Indoor also works as a waterproofer for structures.

- air sealing of structures
- radon sealing of structures
- waterproofing and sealing of buildings and structures
- sealing of ventilation ducts
- as a primer under other coatings

Properties (wet mass)	
Description	Viscous mass, waterborne copolymer dispersion
Solids content	64±1 %
pH	7 - 8
Density	1,1 g/cm ³
Use temperature	above +10°C
Application	Brush or trowel
Consumption	1,0 -1,8 l/m ² depending on the base material
Drying time	
• Tack- dry (+20°C, 45% RH, 1,5 l/m ²)	3 - 7 h depending on the base material
• Paintable (+20°C, 45%, 1,5l/m ²)*	24 h
• Full mechanical properties (+20°C, 45%, RH, 1,5 l/m ²)	2 - 3 weeks

*Paintable with most waterborne, breathable elastic paints.



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Properties (dry film)	
Reaction to fire	C-s1,d0
Adhesion strenght	1-4 N/mm ² depending on the base material
Elongation at break	711 ± 40 %
Tear strength	9,8 ± 0,3 MPa/m ²
Shore A hardness	n. 65
Crack bridging (+22°C, 50% RH, thickness 0,6 mm)	10,3 mm
Airtightness	Tested (Vahanen Building Physics, 2018)
Radon tightness	Tested (RISE,Sweden, SP Method 3873, 2017)
Emission classification	Very low emissions: Emission EC1+ (Eurofins, 2018)
Chemical resistance	Excellent alkali resistance; Good resistance to inorganic acids; Limited resistance to organic acids and solvents
Storage time	12 months from manufacture
Storage	Must not freeze. Store in dry at approx. +20 °C

If needed, dry ElaProof surface can be

- painted, plastered, plated, asphalted and tiled (except tiling in continuous underwater use)
- reinforced with nets or fabric material (filter cloth, fiberglass, non-woven, rock wool) such as ElaProof fiber tape.

3. PACKAGING, STORAGE & SAFETY

ElaProof can be stored in tanks of steel, aluminum or plastic. The product must not freeze during storage and it should not be exposed to temperatures exceeding 40°C, or to direct sunshine. The containers should be kept closed to prevent evaporation of water and the formation of a skin on the surface. ElaProof Indoor can be stored for 12 months from the manufacture under normal conditions in original container. For safety issues, please refer to the Safety Data Sheet (SDS).

4. TECHNICAL SERVICE AND ADDITIONAL INFORMATION

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