

# ElaProof Classic H - Technical information

## SPECIFICATIONS (WET PRODUCT) • STANDARD

- **Binding agent:** waterborne polymer dispersion
  - **Colours:** black, grey, red, RR11, RR23 and RR32 – can be painted over<sup>\*)</sup>
  - **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:**  $63 \pm 1 \%$  • ISO 3251:2008
  - **Acidity (pH):** 7-8
  - **Density:**  $1,12 \pm 0,3$  g/ml • ISO 2811-1:2016
  - **Flammability:** does not ignite, does not flash
  - **Minimum Film Formation Temperature (MFFT):**  $< 0^{\circ}\text{C}$
  - **Operating temperature:** over  $+10^{\circ}\text{C}$
  - **Drying times:**
    - Touch dry ( $+20^{\circ}\text{C}$ , 50% RH,  $1,5$  l/m<sup>2</sup>) 3 – 4 h
    - Touch dry ( $+6^{\circ}\text{C}$ , 25% RH,  $1,5$  l/m<sup>2</sup>) 40 h
    - Fully dry ( $+20^{\circ}\text{C}$ , 50% RH,  $1,5$  l/m<sup>2</sup>) 1 vrk
    - Full mechanical properties ( $+20^{\circ}\text{C}$ , 50% RH,  $1,5$  l/m<sup>2</sup>) 3 weeks
  - **Storage time:** min. 12 months (see package for manufacturing date)
  - **Storage:** Product must not freeze. Protect for direct sunlight.
- <sup>\*)</sup> Can be painted over with most water-based, breathable and elastic paints.

## FEATURES (COATING) • STANDARD

- **Fire class:** C-s1,d0 • EN 13501-1
- **Adhesion strength, without primer:** 1 – 4 N/mm<sup>2</sup> • EN 1542:1999
- **Tensile strength:** 2,3 N/mm<sup>2</sup> • ISO 527-1:1993
- **Elongation at break:** 810 % • ISO 527-2 applying
- **Tear strength:**  $9,3 \pm 1,3$  MPa/m<sup>2</sup> • ISO 527-1:1993
- **Shore A hardness:**  $54 \pm 4$  • 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 ( $+22^{\circ}\text{C}$ , 50 % RH, thickness 0,6 mm) • EN 1062-7, method A applying, class A5
- approved ( $-20^{\circ}\text{C}$ , thickness 0,6 mm) • EN 1062-7, method A applying, class A4
- **Water vapor permeation:** 18 g / m<sup>2</sup> / day • EN 12572
- **Water vapor diffusion coefficient:**  $\delta$ , kg/(m·s·Pa)  $9,63 \cdot 10^{-13}$  • EN 12572

- **Diffusion resistance, Sd-value:** 2,02 • EN 12572
- **Water tightness** (+20°C, 14 day, 100 mm water immersion): tight • EN 1928
- Water resistance after alkaline stress (+70°C, 168 day: 50 mm kyll. Ca(OH)<sub>2</sub> solution): tight • EN 1928

### Structure tightness

- The water tightness of floor drain and inlets: (Vieser-floor drain, water pressure test 24 h ca. 700 Pa -> +60°C/+15°C, 1500 times -> water pressure test 24h ca. 700 Pa): tight • EN 1253-2

### 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

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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