Product Code:
300109

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Protect-proof LF 1K

Solvent free 1K Polyurethane liquid membrane for waterproofing & protection, easy application.

Description:

The Protect-proof LF 1K is a liquid, monolithic, solvent-free waterproofing with a fleece insert made from 100% polyester fleece for versatile use in building waterproofing. The product
can be made in different colors.
The LF 1K is a waterproofing system with top performance in terms of material properties and processing. In addition to its use in roof sealing, it can be used in a large number of other areas of application.

Directive:

The product complies with the corresponding EU directive ETAG 005

Use:

Sealing and protection of:
- plaster, concrete etc.
- Terraces &. Balconies
- flat roofs
- Light roofs made of metal or fiber cement
- asphalt membrane
- On plastic sheets

Restriction:

Not recommended for:
- Unsound surfaces
- Sealing of swimming pool surfaces in contact with chemically treated water

Areas of application:

Can be successfully applied on:
Concrete, fiber cement, mosaic, cement bricks, old (but well adhering) acrylic and asphalt layers, wood.
Plaster, concrete, metal, brick, tile, wood, bitumen and a variety of different roofing foils / plastics, such as PE, PP, PVC, EPDM and on thermal insulation (e.g. PU, Styrodur and Styrofoam).

Standard requirements

- Humidity: W <10%
- Temperature: 0 ° - 45 ° C
- Relative humidity: <85%

Features & benefits:

- Cures quickly! Skin formation in 1 hour
- Bubble-free and defect-free membrane
- Excellent adhesion to almost all substrates, with or without the use of special primers
- Open to vapor diffusion
- Excellent weather and UV resistance.
- Excellent thermal resistance, the product does not become soft.
- Good resistance to cold: the layer remains elastic even at temperatures as low as -30 ° C
- Excellent mechanical properties, high tensile strength, high abrasion resistance
- Good chemical resistance
- Special primers available for almost all substrates

Application:

Clean the surface with a high pressure cleaner. Make sure there is no oil, grease, and wax contamination.
Cement slurry, loose particles, release agents, hardened membranes must be removed. Surface unevenness should be leveled out before applying the coating.

Primer:

The use of a primer is only necessary for some special types of plastic. You will receive the necessary information about this from our application technology department.

Use the recommended primer according to the above Guidelines

Application:

Apply with a roller or brush in one or two coats. When applying in two layers, do not exceed an interval of 16 hours. In the case of longer intermediate times, the surface should be slightly roughened mechanically.

Consumption:

Consumption with 110g fleece insert according to ETAG 005:

approx. 3.0 kg / m²

Cleaning:

First clean equipment and tools with paper towels, then with protect-proof cleaner.

Tools can no longer be used after use

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Suitable primers:
Contact our technical department for an individual primer consultation

Admission:
Official approval according to ETAG005 has been applied for. Suitable as a flat roof waterproofing with fabric reinforcement. Please contact our technical department for more information.

Drying times:

- At 20 ° C / 50% rel. Humidity approx. 2 to 2.5 hours.
- Lower relative humidity increases the drying time.
- The system fully cures after approx. 5 days (20 ° C / 50% rel. Humidity).

Packaging:
4 kg, 10 kg

Durability:
Stable for at least 12 months in the original packaging, in dry rooms at temperatures from +4 to + 32 ° C.

Use up the material as soon as possible after opening the container.

Product specification:

Material basis: terminated polyether, solvent-free

- Components: one-component
- Density: approx. 1.35 g / cm³ (ISO 8962)
- Color: different colors possible
- Labeling according to the dangerous goods regulation: none
  Dangerous goods (GGVS)
- Labeling according to the Ordinance on Hazardous Substances: none
  Hazardous substance according to

  EU Directive 1999/45 / EC

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