POLY PROOF 8000 - ACRYLIC DISPERSION BASED WATERPROOFING MEMBRANE

DESCRIPTION :

POLY PROOF 8000 is a acrylic dispersion based, single-component, elastic and UV-resistant waterproofing membrane. After curing, it forms a seamless, flexible and water-tight coating.

ADVANTAGE:

- Ready to use, single component.
- High elasticity.
- Excellent UV and weather resistance.
- Seamless and joint-free application.
- Crack-bridging capability.
- Easy application by brush, roller or spray.

AREA OF USE :

- Terraces and roofs.
- Balconies.
- Concrete, plaster and screed surfaces.
- Refurbishment over old bituminous membranes.
- Areas exposed to light pedestrian traffic.

SURFACE PREPARATION :

Proper surface preparation is crucial for ensuring optimal adhesion, durability, and performance of POLY PROOF 8000 flexible waterproofing system. Follow these steps carefully:

1. Structural Assessment:
- Inspect the substrate for any structural damage such as cracks, honeycombs, voids, or spalling.
- Repair significant defects using suitable cementitious repair mortars or epoxy fillers before waterproofing.

2. Cleaning:
- Remove all dust, dirt, grease, oil, laitance, curing compounds, or any loose particles from the substrate.
- High-pressure water jetting or mechanical methods (grinding, sandblasting) can be used for heavily contaminated surfaces.

3. Moisture Control:
- The substrate should be damp but not with standing water.
- Surfaces that are too dry may absorb water from the mix, reducing adhesion; surfaces with excessive water may prevent proper curing.

4. Substrate Profile & Roughness:
- Concrete or masonry should have a slightly roughened surface to improve mechanical bonding.
- Smooth or troweled surfaces should be mechanically abraded or treated with a bonding primer.

5. Crack Treatment:
- Hairline cracks (<0.3 mm) can be covered directly by the semi-flexible coating.
- Cracks larger than 0.3 mm or moving cracks must be repaired using a suitable crack repair mortar, or a reinforcing fabric may be embedded within the first coat.

6. Priming (if required):
- Highly porous substrates (e.g., lightweight concrete, cement blocks, or aerated concrete) may require a primer coat using

7. Temperature and Weather Considerations:
- Avoid application on substrates below +5°C or above +35°C.
- Protect the substrate from direct sunlight, wind, and frost before and during application to prevent rapid drying or curing issues.

8. Final Check Before Application:
- Ensure all surfaces are structurally sound, clean, and properly pre-wetted.
- Confirm that any repairs or priming layers have cured according to recommended times before applying POLY PROOF 8000.

Note: Inadequate surface preparation can significantly reduce adhesion, crack-bridging capability, and long-term waterproofing performance.

CONSUMPTION :

- Medium traffic: 3 – 5 kg/m²
- Heavy traffic: 5 – 8 kg/m

APPLICATION:

- The product is ready to use. No dilution is required.
- Apply by brush, roller or airless spray in minimum two coats.
- Apply the first coat evenly onto the prepared substrate.
- Allow the first coat to dry completely (approximately 4–6 hours at 20°C).
- Apply the second coat perpendicular to the first coat to ensure uniform coverage.
- In critical areas (corners, joints, drains, penetrations), embed reinforcement mesh (approx. 160 g/m² fiberglass mesh) into the first wet coat and cover with the second coat.
- Apply in at least two coats.
- Total recommended dry film thickness: approx. 1.0 – 1.5 mm.

PRECAUTION IN APPLICATION:

- Do not apply the product on substrates with rising damp or standing water.
- Ensure the substrate is structurally sound, clean, and properly pre-wetted.
- Avoid application below +5°C or above +35°C.
- Do not apply in direct sunlight, strong wind, or rain to prevent rapid drying, cracking, or wash-off.
- Apply the recommended total thickness (2–3 mm); thinner layers may compromise waterproofing and crack-bridging.
- Do not add extra water to the mixture, as it reduces adhesion and durability.
- Use reinforcing fabric in high-stress or moving areas to improve crack-bridging.
- Protect freshly applied layers from mechanical damage and foot traffic until fully cured.
- Allow sufficient curing time between coats; do not apply second coat on fully dried first coat.

PACKING:

25 kg craft bags

STORAGE AND SHELF LIFE :

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

SECURITY INFORMATION :

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

STANDADS:

EN 1504-2:2004

TECHNICAL PROPERTIES:

Color	White	-
Aplication Tempeture	Between +5°C and +35°C	-
Drying Time	4 – 6 Hours	-
Full Cure	24 Hours	
Desity	1.25 – 1.35 g/cm^3	
pH	8 - 10	
Consumption	1.5 – 2.0 kg/m² (per layer	-

PERFORMANCE

Tensile Strength	≥ 0,80 N/mm^2	EN 1542
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion	≥ 0,80 N/mm^2	EN 13687-3
Tensile Adhesion Strength After Heat Ageing	≥ 0,80 N/mm^2	EN 1062-11
Resistance to Accelerated Ageing	No visible change after 2000 hours UV exposure and humidity. No blistering, cracking or flaking.	EN 1062-11
Crack Bridging (21°C / -10°C)	≥ 2.5 mm (A5) / ≥ 2.5 mm (A5)	EN 1062-7
Water Vapour Permeability	Class I; Sd < 5 m (Equivalent air layer thickness)	EN ISO 7783-2
Carbon Dioxide Permeability	Sd > 50 m (Equivalent air layer thickness)	EN 1062-6
Capillary Water Absorption	< 0.1 kg/m²·h^{0,5}	EN ISO 1062-3
Pressurised Water Strength	5 Bar Positive	EN 1062-8
Elasticity	500-700 %	EN 1062-7
Reaction to Fire	Cs1d0	EN 13501-1

Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

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