



HYDROBLOC
BUILT ON PERFORMANCE

HYDROBLOC-FX

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Flexible Two-Component Polymer-Modified Cementitious Waterproofing Slurry.

Product Description:

HYDROBLOC-FX is a flexible, two-component, polymer-modified cementitious waterproofing coating. It forms a seamless, abrasion-resistant membrane with excellent adhesion, crack-bridging ability, and is suitable for potable water contact, weather exposure, and hydrostatic pressure.

Key Features & Benefits:

- Flexible: crack-bridging up to ~1.5 mm
- Resists positive hydrostatic pressure up to ~50 m head (>5 bar)
- Very good abrasion and weather resistance
- Can endure light/pedestrian traffic
- Breathable (allows vapor diffusion, $\mu \approx 1000$)
- Self-curing and solvent-free (0 g/L VOC)
- Potable water approval (NSF/ANSI 61 / DVGW W347 compliance)
- Active carbon dioxide barrier protection

Application Areas:

- Water tanks & reservoirs (potable & sewage)
- Basement walls, foundation slabs
- Sewage treatment works, piping infrastructure
- Balconies, terraces, and plaza decks
- Under-tile waterproofing in bathrooms, kitchens, pools
- Reinforced concrete structures in contact with water

Surface Preparation:

1. Substrate must be clean, free of dust, oil, grease, coatings, form oils, or loose particles
2. Surface must be damp-but-not-wet, no standing water
3. Repair all defects, voids or cracks prior to application

Coverage:

Dry Film Thickness: ~1 mm requires ~1.75 kg/m²

Recommended Application: Two coats (~2 mm total) \Rightarrow ~3.5 kg/m²

Actual usage may fluctuate with surface texture and porosity

Detailing:

Use HYDROBLOC-Flexseal Tape to reinforce static or dynamic cracks as required.



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Mixing Instructions:

- Thoroughly stir Component B (liquid).
- Gradually add Component A (powder) while mixing for a homogenous consistency.
- Mix to lump-free slurry; pot life ~45-60 min at ambient temperature.

Application Steps:

- Apply first coat using brush, roller, trowel or spray to achieve ~1 mm DFT.
- Allow first coat to cure ~4-6 hours (minimum before next coat).
- Apply second coat perpendicular to first at ~1 mm DFT.
- Total dry thickness recommended ~2 mm.

Curing & Protection:

- Protect fresh waterproofing from rain, frost, heat, or strong winds during curing period.
- Do not expose to freeze/thaw cycles until fully cured.
- After cure, can be left exposed or overlaid with tiles, pavers, coatings, stucco, etc.

Packaging:

Component A (Powder) : 25 kg bag
 Component B (Liquid) : 10 kg pail
 Kit weight : 35 kg total

Storage & Shelf life:

Store for up to 12 months in unopened packaging. Keep in cool, dry conditions away from frost and moisture.

Technical Data:

Property	Value
Component A (powder)	Polymer-modified cement blend (grey/white)
Component B (liquid)	Polymer dispersion (white)
Mix ratio (by weight)	2.5:1 (Powder: Liquid)
Pot Life	~45-60 minutes at 20-23 °C
Application Temperature	+5 °C to +35 °C
Water Pressure Resistance	Up to ~50 m head (~5 bar), positive side
Adhesion to Concrete (28 days)	≥ 0.6 N/mm ²
Tensile Elongation	~50% at 20 °C
Water Vapor Diffusion (μ-value)	~1000
Consumption	~1.75 kg/m ² per mm dry film
Typical System (2 mm DFT)	~3.5 kg/m ²