



HYDROBLOC-UL

2-Component, Highly Flexible, Polymer-modified, Cementitious Waterproofing

Product Description:

HYDROBLOC-UL is a high-performance, two-component, polymer-modified cementitious waterproofing slurry engineered for demanding structural waterproofing applications. Designed to resist both positive and negative water pressure, it forms a flexible, crack-bridging membrane that adheres excellently to concrete, steel and masonry substrates.

Ideal for basements, water tanks, retaining walls, podiums, and bathrooms, HYDROBLOC-UL offers long-lasting protection in both new construction and rehabilitation projects.

Key Features & Benefits:

- **Crack-bridging & Flexible** – Bridges static cracks up to 2mm
- **Dual Pressure Resistance** – Resists positive & negative hydrostatic pressure
- **Strong Adhesion** – Excellent bonding to concrete, masonry, and steel surfaces
- **Brush, Roller or Spray Applied** – Easy application on vertical & horizontal surfaces
- **UV Resistant** – Suitable for exposed surfaces when top-coated
- **Non-toxic & Solvent-free** – Safe for use in potable water tanks (compliant grade available)
- **Water Vapor Permeable** – Allows substrate to breathe while remaining waterproof

Application Areas:

- Waterproofing of basement walls & foundations
- Wet areas such as bathrooms, kitchens, and balconies
- Water retaining structures (tanks, reservoirs, swimming pools)
- Retaining walls, roof decks, and podiums
- Underground concrete structures

Surface Preparation:

Substrate must be clean, sound, and pre-wetted to a saturated surface-dry (SSD) condition. Remove all loose material, oil, grease, dust, or laitance prior to application.

Mixing Instructions:

- Mix both components using a slow-speed drill mixer until lump-free and homogeneous.
- Always add powder component to Liquid.



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Application Guidelines:

- Apply using a brush, trowel, or spray in 2–3 coats.
- Ensure each coat cures before applying the next.
- Protect freshly applied membrane from rain, frost, or rapid drying.

Compliance:

- Conforms to EN 14891, EN 1504-2

Packaging:

- Powder (Part A): 25 kg bag
- Liquid Polymer (Part B): 10 kg jerry can
- Coverage: Approx. 2.5 – 3 kg/m² for 1.5 mm thickness (depending on substrate)

Storage & Shelf Life:

- Store in cool, dry conditions, away from direct sunlight
- Shelf Life: 12 months (unopened in original packaging)

Health & Safety:

Wear gloves, mask, and safety goggles during application.

Refer to Safety Data Sheet (SDS) for full handling instructions.

Technical Data:

Property Value	-
Form	Two-component (Powder+ Liquid Polymer)
Color (Mixed)	Dark Grey
Mix Ratio (A: B)	2.5:1 (by weight)
Application Temperature	+5°C to +35°C
Pot Life	Approx. 45 minutes at 25°C
Density (mixed)	~1.75 g/cm ³
Dry Film Thickness	2mm (in 2 coats)
Elongation	≥ 2.5 mm
Water Pressure Resistance	≥ 5 bar (positive)
Adhesion to Concrete	≥ 1.0 MPa
Water Vapor Permeability	Class I (EN 1062-1)
Curing Time (Before Tiling)	3 days under normal conditions
Toxicity	Non-toxic, solvent-free