



VYCOAT-CEM

Cementitious Waterproofing Coating

DESCRIPTION

VYCOAT-CEM is a polymer-modified cementitious waterproofing coating designed to provide a durable and water-resistant barrier on concrete and masonry substrates.

It is supplied as a two-component system consisting of a cement-based powder and a polymer liquid, which when mixed forms a flexible or rigid waterproof coating depending on formulation.

The coating provides excellent adhesion, water resistance, and compatibility with damp substrates.

BENEFITS

- Excellent adhesion to concrete and masonry substrates
- Can be applied on damp surfaces
- Good waterproofing and anti-permeability performance
- Crack-bridging capability (flexible type)
- Non-toxic
- Easy application by brush, roller, squeegee or trowel
- Compatible with tile adhesives and screeds

APPLICATIONS

- Basements and foundations (positive & negative side)
- Water tanks and reservoirs
- Bathrooms, kitchens, and wet areas
- Swimming pools
- Concrete structures and retaining walls
- Tunnels and underground structures

INSTALLATION

Surface Preparation

- Substrate must be sound, clean, and free of contaminants
- Pre-wet substrate to saturated surface dry (SSD) condition
- Repair cracks and voids before application

Mixing

- Mix powder and liquid components thoroughly
- Use mechanical mixer for uniform consistency

Application

- Apply by brush, roller, squeegee or trowel
- Apply in 2–3 coats
- Apply second coat perpendicular to first
- Reinforce corners and joints with mesh if required

Recommended Thickness

- Total thickness: 1.5 – 2.0 mm
- Reference consumption: 1.3kg/m² for film thickness of 1mm

STORAGE & SHELF LIFE

- Store in sealed containers
- Protect from freezing and direct sunlight
- Store between +5°C and +35°C
- Shelf life: 12 months

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DIMENSIONS & PACKAGING

Parameter	Value
Component	Part A(Liquid Component): Polymer dispersion Part B(Powder Component): Cementitious powder
Color	Cement color
Weight	Part A: 20 kg/pail Part B: 40 kg/bag

TECHNICAL DATA

Property	Value
Solid content	$\geq 70\%$
Tensile strength	$\geq 1.8\text{MPa}$
Elongation at break	$\geq 80\%$
Cold bending	0°C, no crack
Watertightness	0.3Mpa, 30min, no leakage

