

ECMACOAT 201F

High Performance, Hydrophobic, Breathable, Drying & Highly Flexible Cementitious Waterproofing Membrane

Description

ECMACOAT 201F is a pre-packed, two component, high performance waterproofing product based on unique formulation of acrylic polymers, special minerals & graded fillers to provide a very flexible, waterproof, hydrophobic, breathable & drying coating for new and existing concrete and masonry surfaces. ECMACOAT 201F has excellent weathering resistance and crack bridging property. ECMACOAT 201F will create a tough & durable, waterproof membrane after application, while it stays breathable and allows drying at the same time due to unique WBD ingredient in its formulation.

Areas of Application

As a tough, durable, waterproofing & protective membrane suitable for:

- Terrace & Podium slabs
- Underground structures like Basements & Foundations
- Bathrooms, Balconies, Showers & Utility Areas etc.
- Water tanks and Swimming Pools

Advantages

- Highly flexible and elastomeric with good crack bridging abilities to accommodate thermal movements
- Excellent waterproof capability with air permeability and drying effect
- Prevents salt efflorescence and resist carbon dioxide, chloride and sulphate ions
- Non-Toxic – safe for potable water contact
- Can be applied on wet or damp substrates
- Able to withstand heavy topping without fracture

Technical Specification

Appearance	Pack A-Milky and Pack B- Grey
Physical State	Pack A-Liquid and Pack B-Powder
Mixing Ratio	Pack A: Pack B – 1:1.6
Specific Gravity at 27 °C Pack A	1.035±0.02
Mixed Density kg/m ³ 27 °C	1650±100
Pot Life 27 °C	>30 Minutes
Tensile strength	>1.5 N/mm ² at 1.5 mm thickness
Elongation @ break	>150 %
Adhesion bond strength	~1.0 N/mm ²
Resistance to water penetration (DIN1048: Part 5)	No penetration @ 0.2 Kgf/cm ²
Crack bridging Capability	1.5 mm
Surface Touch Dry @ 27°C	60 – 90 Minutes

Application Instructions

Surface Preparation: All substrates shall be sound and free from dust, debris, oil or other loose particles. All cracks/ joints or honeycombs shall be repaired using suitable polymer modified cement mortar like ECMAREP 502.

Dampen: All concrete and cement substrates shall be saturated with clean water before applying ECMACOAT 201F waterproofing coating. No free-standing water shall be present during application.

MIXING: Empty Liquid component in a clean mixing container, and slowly add the Powder component whilst stirring using a slow speed (500-600 rpm) heavy-duty electric drill with a suitable puddle. Small amounts may be hand-mixed separately. Mix until homogeneous slurry is obtained and make sure that no unmixed powder is left at the bottom of the container.

Placing: The mixed ECMACOAT 201F can be applied on the prepared substrate using a stiff brush or block brush. The application of ECMACOAT 201F can be done in two or more coats depending on the manufacturer's specification. When using more than one coat to achieve the desired thickness, apply the subsequent coats after 2-3 hours curing of the previous coat. Allow at least 48 hours curing of the finished coat (subject to touch dry) before laying screed or tiling.

Curing: The finished ECMACOAT 201F waterproofing must be protected from rapid drying. At least 48 hours curing of ECMACOAT 201F shall be done before protection/ water ponding test, to yield optimum strength & performance.

Coverage

ECMACOAT 201F Coverage will be approximately 8-10 m²/Pack (13 Kg) in 2 coats, subjected to substrate conditions and wastages. If required thickness is more than 1 mm; more than 2 coats can be applied.

Packaging

Total Kit Size 13 Kg (Pack A – 5 Kg + Pack B – 8 Kg)

Shelf Life

12 Months in original unopened sealed condition.

Storage & Handling

Material should be stored in moisture free, cool and dry shade. Please avoid stacking of containers and handle carefully during transport.

Safety Precautions

Wear all PPE's at the of application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoid contact with Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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