

ECMACOAT 201

Flexible Cementitious Waterproofing Membrane

Description

ECMACOAT 201 is a pre-packed, two component waterproofing coating based on unique formulation of acrylic polymers & graded fillers to provide a very flexible, waterproof coating for new and existing concrete/ cementitious surfaces. ECMACOAT 201 has good weathering resistance and crack bridging property. Both the components of ECMACOAT 201 are mixed together at site and after application, it will create a tough & durable, waterproof membrane.

Areas of Application

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

- Small terraces
- Underground structures like Basements & Foundations
- Bathrooms, Balconies, Showers & Utility Areas etc.
- Water tanks and Swimming Pools
- Sewage and Water Treatment Plants
- UG Parking Structures

Advantages

- Flexible and elastomeric with good crack bridging abilities
- Excellent waterproof capability
- 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/ tiling 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 – 1:2.5
Specific Gravity at 27 °C Pack A	1.025±0.02
Mixed Density kg/m ³ 27 °C	1950±100
Pot Life 27 °C	≥30 Minutes
Tensile strength	~1.0 N/mm ² at 1.5 mm thickness
Elongation @ break	≥40 %
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	Upto 1 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 201 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 201 can be applied on the prepared substrate using a stiff brush or block brush. The application of ECMACOAT 201 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 before laying screed or tiling.

Curing: The finished ECMACOAT 201 waterproofing must be protected from rapid drying. At least 72 hours curing of ECMACOAT 201 shall be done before protection/ water ponding test, to yield optimum strength & performance.

Coverage

ECMACOAT 201 coverage will be approximately 1.8-2.0 Kg/ Sqm 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 14 Kg (Pack A – 4 Kg + Pack B – 10 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.

ECMAS CONSTRUCTION CHEMICALS PVT. LTD

7-4-124 Gaganpahad,
International Airport Road
Hyderabad, India - 500 052
Phone: +91-40-24360014, 16, 17
Email: ecmas@ecmas.co.in

