

ECMAS CEMPLUS

EVOLUTIONARY WATERPROOFING SOLUTION

Description

ECMAS CEMPLUS is an extremely waterproof dry mixture that will create a waterproof barrier after application; while it stays breathable and allows drying at the same time. Hydrophobic ingredient WBD Component CEMPLUS is the key component that ensures special characteristics of the product. ECMAS CEMPLUS is produced from natural materials and does not contain any harmful or inflammable ingredients and it is environmentally friendly.

Advantages

- Excellent adhesion to concrete
- 100% Waterproof solution in one step
- Excellent waterproof capability with air permeability (drying effect)
- It is possible to apply to wet surface.
- Sulphur resistant and prevention against salt crystallization
- It can be applied manually (trowel) or with a spray applicator
- No need for additional membranes

Areas of Application

Basements, terrace Gardens:

- Product Preparation: ECMAS CEMPLUS (25 kg) + Water (11 liters) is mixed together and applied on the surface. Mechanical mixer is recommended due to the hydrophobic abilities of the product.
- Minimum thickness: 5 mm
- Coverage: 5 SQM/Bag at 5 mm thickness

Bathrooms, Shower bath, Balconies, Terraces:

- Product Preparation: ECMAS CEMPLUS (25 kg) + Sand (60 kg) + Water (11 liters) is mixed together and applied like a traditional plaster. Mechanical mixer is recommended due to the hydrophobic abilities of the plaster.
- Minimum thickness: 10 mm
- Coverage: 6.8 SQM/Bag at 10 mm thickness

External / Internal plastering of walls:

- Product Preparation: ECMAS CEMPLUS (25 kg) + Sand (100 kg) + Water (16 liters) is mixed together and applied like a traditional plaster. Mechanical mixer is recommended due to the hydrophobic abilities of the plaster.
- Minimum thickness: 10 mm
- Coverage: 10 SQM/Bag at 10 mm thickness

Note: The amount of water to be added depends on the moisture content of sand being used at site. Apply layer of ECMAS CEMPLUS at a thickness as per area of application as mentioned above. A maximum thickness of 30 mm can be laid in layers. Finish the surface as per requirement.

Installation Guidelines

Surface Preparation: Before applying **ECMAS CEMPLUS**, it is important to remove all existing plaster, stucco, loose particles, residual paint, oil, rust, dust, and other impurities. Defective wall elements, such as damaged bricks, should be repaired or replaced. If used as a repair mortar, the old plaster should be removed 30-40 inches (800-1000mm) above the boundary of water incursion. If salt efflorescence is present, jointing must be raked to a depth of 20mm. The wall surface should be thoroughly cleaned with suitable equipment such as high-pressure air, water, or wire brush. Water absorbent surfaces should be well moistened with water before application. To maximize cohesion a thin mixture of cement and water should be spattered onto the surface before plastering. In cases of water leaking onto the plastered surface, it is important to ensure that the leakage is stopped for at least 72 hours or more, if possible, to ensure the proper setting of the plaster.

Note- If there is any doubt about surface suitability before plastering, always test small area first.

Care After Application: It is necessary to prevent the plaster from drying too fast since the optimal moistness enables permanent hydration of cement materials and minimization of cracking. When the last layer is laid on it is important to keep the surface permanently wet for 2 days. Upon curing, the surface can be painted or tiles can be laid.

Important

While plastering extremely moist surfaces, aggregation of water drops on the plaster surface can occur. It is inherent forcing the water out of vicinity. This is due to the 'drying-effect' of the plaster.

Safety & Precautions

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

Technical Specification

Appearance/Color	Powder / Grey
Chemical Base	Cement, Silica Sand, Fibers WBD Component CEMPLUS
Packaging	25 kg bag
Shelf-life	18 months when stored in dry condition

ECMAS CONSTRUCTION CHEMICALS PVT. LTD

7-4-124 Gaganpahad,
International Airport Road
Hyderabad, India -
phone: +91-40-24360014, 16, 17
email: ecmas@ecmas.co.in

