



PERFORMANCE SPECIFICATION FOR
EVERCRETE POLYMER MODIFIED CEMENTITIOUS (PMC)
INTEGRATED CEMENTITIOUS COATING FOR
INTERIOR AND EXTERIOR WATERPROOFING SYSTEM

1. PREAMBLE

Evercrete PMC is an integrated polymer modified cementitious coating, which can be simply achieved by mixing a pre-packed dry-mixing powder with water, and consequent painting the slurry on various substrates. It protects a wide range of buildings and structural concrete components with good resistance to water, aggressive chemicals, long-term weathering and scratching. It is applicable for fixed structures subjected to long-term water immersion.

2. USES

- Interior and exterior sealing and waterproofing of walls and floors with protections from cement sand mortar
- Applicable for both positive and negative sides of water-receiving substrates
- Ideal waterproofing of walls and floors in balconies, terraces and wet-rooms such as washrooms and bathrooms
- Anti-carbonation
- Appropriate substrates: concrete, brickwork, precast surface, lightweight blocks, shotcrete and etc.

3. FEATURES AND BENEFITS

- Applicable under high humidity environment
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability, trowellable and brushable.
- Easy to use, non-toxic and environmental friendly

4. TECHNICAL DATA

Product Consistency	Trowellable	Brushable
Compressive Strength at 28 days (MPa)	52	50
Flexural Strength at 28 days (MPa)	10	8.5
Bond Strength at 28 days (MPa)	1.5	1
Surface Water Absorption (ml/min)	0.005	0.005
Typical Mixing Water (litres)	4.5 – 5	5.25 – 5.75
Wet Density (kg/m ³)	1950	1900
Coverage (kg/mm ²)	1.6	1.55
Packaging	25 kg / bag	
Shelf Life	12 months	

Note: The above are typical laboratory test results and can vary slightly depending on ambient and substrate conditions during application.

Standard

Density:	According to BS 4551
Compressive and Flexural Strength:	According to BS EN 196 – 1
Surface Water Absorption:	According to BS EN 1232
Pull-off Test:	According to HKHA/MTS (2000), Part D, 2.1.15

5. APPLICATION

5.1. Substrate Preparation

Substrate must be clean from particles, oil, grease and other contaminants. To clean the substrate with water jet to remove dust and loose particles. It is recommended to apply Evercrete Deep Penetrating Sealer (DPS) before apply the Evercrete PMC to have better adhesion.

5.2. Mixing and Installation

Mix a bag of dry mix powder (25 kg) with 4.5 – 5 litres (trowellable) / 5.25 – 5.75 litres (brushable) of water using an electric mixer for about 5 minutes or until a lump-free homogenous mix is achieved.

The mixed slurry should be applied by trowel or stiff brush onto the substrate within the working life which is dependent upon ambient temperature and relative humidity. It is recommended to apply the waterproof slurry in 2 coats of 1 mm thick. Apply the slurry onto the substrate surface evenly in one direction with an action forcing the slurry to seal minor cracks and cover surface irregularity. When applying second coat, previous coat should be slightly dried and the following coat is recommended to apply in perpendicular direction.



It is recommended to allow 1 to 2 days before other finishing materials or protective layer is applied over the hardened slurry surface. Cement sand mortar can be applied on the Evercrete PMC as a protective layer.

(Details of the procedure please refer to our Method Statement.)

5.3. Limitation

Evercrete PMC is not advisable to be used at the corner or substrate with potential movement.

6. STORAGE AND PACKING

Evercrete PMC is delivered in 25 kg bag. Storage life is 12 months if the product is kept in a dry place with its original unopened bags.

Direct Sunlight must be avoided and protected from rainfall.

7. HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.

Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

8. REMARKS

Because it is not possible to give specific instructions for various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only and we reserve the right to modify the information detailed in this Technical Data Sheet.