



PERFORMANCE SPECIFICATION FOR
EVERCRETE FLEXIBLE MODIFIED CEMENTITIOUS (FMC)
TWO-COMPONENT ELASTOMERIC CEMENTITIOUS COATING FOR
INTERIOR AND EXTERIOR WATERPROOFING SYSTEM

1. PREAMBLE

Evercrete FMC is a two-component latex modified cementitious coating, which can be simply achieved by mixing a pre-packed dry-mixing powder with a formulated flexible latex admixture, and subsequent brushing the slurry on various substrates. It protects a wide range of buildings and structural concrete components with excellent resistance to water, aggressive chemicals, long-term weathering and scratching. It is applicable for those structures subjected to long-term water immersion.

2. USES

- Interior and exterior sealing and waterproofing of walls and floors with protections from cement mortar
- Applicable for both positive and negative sides of water-receiving substrates
- Ideal waterproofing of walls and floors in tunnels, basements, water tanks, swimming pools, balconies, terraces and wet-rooms such as washrooms and bathrooms
- Anti-carbonation
- Applicable for substrates subjected to shrinkage, vibration, movement, stress and minor crack formation
- Appropriate substrates: concrete, brickwork, precast surface, lightweight blocks, shotcrete, etc.
- It is free from casein, ammonia and harmful solvents thus is particular suitable for use in smell sensitivity locations and areas with limited ventilation.

3. FEATURES AND BENEFITS

- Applicable under high humidity environment
- Applicable for substrates with complex surfaces and shapes
- Pre-packed component: fixed mixing proportion, ensure the quality of work
- Good workability, simple brush paint
- Easy to use, non-toxic and environmental friendly
- Rough surface: enhance the adhesion for rendering and tiling
- Can be applied on damp surfaces

4. TECHNICAL DATA

Tensile Strength at 28 days	1.2 MPa
Elongation at 28 days	> 200%
Bond Strength at 28 days	0.5 MPa
Surface Water Absorption	0.002 ml / min
Wet Density	1500 kg / m ³
Coverage per set (for 2mm thick)	14 m ²
Packaging (per set)	25 kg powder + 18 liter emulsion
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
Tensile Strength and Elongation:	According to BS 2782 : Part 3
Pull-off Test:	According to HKHA/MTS (2000), Part D, 2.1.15
Surface Water Absorption:	According to BS EN 1232

5. APPLICATION

5.1. Substrate Preparation

Substrate must be free from grease, mould oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination on any traces of foreign materials affecting the adhesion of Evercrete FMC.

5.2. Mixing and Installation

Pre-soak the substrate with water.

Empty one container of admixture (18 Liter) for Evercrete FMC into a bucket, pail or other suitable mixing vessel and stir gently with an electric mixer.

Add the dry-mix powder component (25 kg) gradually to the admixture and avoid lump formation with mixing time of 5 – 7 minutes until a smooth consistent mix is achieved.

Apply the slurry onto the prepared substrate with a total thickness of 1.0 – 1.2 mm using a block brush, squeegee or roller in a 2-layer stifling action. The second coat must be applied after the first coat is dried for approx. 3 – 4 hours.

Cement sand Mortar can be applied on the Evercrete FMC as a protective layer.

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



5.3. **Curing**

4-days natural air curing for Evercrete FMC is required. Water leakage test can be started after 4 days curing. However, 7-days curing are recommended for extra weight (e.g. tile or marble) to be hung on top of the Evercrete FMC.

7. **STORAGE AND PACKING**

Evercrete FMC is delivered in 25 kg bag of dry-mix powder and 18 liter/pail of admixture. Storage life is 12 months if the product is kept in a dry place with its original unopened bag and pail.

8. **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.

9. **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.