



ECO-FRIENDLY BUILDING MATERIAL

Render Polymer Modified Cement-Based Premix Render



DESCRIPTION

POLYMiX[®] Render is a polymer modified cement-based water-resistant premixed render specially formulated as a superior substitution to site mix cement-sand plaster. It is designed both for manual application and spray application onto all **brickwall and blockwall surfaces** for patch, repairing, and leveling as well as surface leveling works. **POLYMiX[®] Render** is suitable for both **internal and external** applications onto the above substrates. It is formulated into 2 grades, **Basic** for manual application only and **SP** for both manual & spray application.

SURFACE PREPARATION

Remove all loose materials or traces of foreign materials and ensure surface cleaned, free of dust and dirt. It is recommended to pre-wet the substrate surface prior to the application of **POLYMiX[®] Render**. Plumb and level peg all surfaces to be spray rendered and all internal and external corners shall be pre-formed with PVC corner beads.

MIXING

Mix thoroughly a bag of 40kg **POLYMiX[®] Render** with 7.0 - 8.0 litres of clean water by using an electrical power mixer for 3 to 5 minutes to achieve a good trowellable consistency, prior to application. Re-mix the material before re-use if the material is left undisturbed for more than 30 minutes.

APPLICATION

Apply **POLYMiX[®] Render** homogeneous paste manually with a steel trowel. If application requires a few layers, the underlying layer must be partially cured before applying the subsequent layers. Alternatively, in mechanized application, spray the first coat to a thickness of not more than the recommended thickness and allow it to initial set. Immediately proceed to spray the second coat to slightly above the level strips while continuously checking and trimming off excess material to enable easier leveling of the surface. Allow this final coat to achieve partial set, then scratch trim and level the surface with aluminum float guided strictly by the level strips. Then simply work with steel trowel to achieve desired flatness and smoothness. **POLYMiX[®] Thin Plaster / Premium** is recommended to be applied for extra smooth finishing internally. For external surface, sponge the partially set texture in circular motion until the desired sanded surface is achieved.

PACKING AND STORAGE

- Packing : 40kg / bag
- Shelf life : 6 months
- Storage : Keep in cool dry condition

TECHNICAL SPECIFICATION

- Appearance : Grey
- Adhesion to concrete (28 days) : Approx. 0.4 N/mm² (lab condition)
- Pot life : 1 hour
- Coverage : Approx. 1.7 kg/m²/mm
- Recommended thickness : 5-10mm / build-up / application (SP)
: 10-15mm / build-up / application (Basic)
- Binder : Portland Cement
- Filler : Calcium Carbonate Powder / graded silica
- Additives : Water soluble polymers and plastisizer
- Properties : Improved consistency, workability, water retention & adhesion
- Maximum grain size : 2 - 3mm

PRECAUTIONS

- Do not mix the product with additional lime / sand.
- Not recommended for direct application onto extremely smooth concrete surface, both for internal and external unless the concrete surface is keyed with splatter dash and / or the product is further enhanced with bonding agent to replace water.
- **It is a good practice not to exceed the recommended thickness / build-up and at minimum of 2 coats and leave for initial set before applying the subsequent coat.**
- Do not apply when there is vigorous hacking activities in the vicinity of the application area.