

EcoGrey® TPG (P)

Formerly known as Thin Plaster Premium (TP Premium)

High Quality Polymer Modified Cement-Based Smoothing Plaster



DESCRIPTION

EcoGrey® TPG (P) is a high quality polymer modified water-resistant cement-based smoothing plaster specially formulated for direct single product application onto concrete, **EcoGrey® FMBG & EcoWhite® FMBW** and **EcoGrey® CMB** and plastered surfaces for patching and surface levelling & smoothing works for an ultimate hard finish. **EcoGrey® TPG (P)** is also designed as a fairing coat onto **EcoGrey® BR & EcoGrey® RSP** and **PolyCrete Repair Mortar** surfaces. It is highly recommended for all **internal** applications and **external** applications.

TECHNICAL SPECIFICATION

- Appearance : Grey
- Adhesion to concrete (28 days) : Approx. 0.5 N/mm² (lab condition)
- Pot life : Approx. 2 - 2½ hours
- Coverage : Approx. 1.25 kg/m²/mm
- Recommended thickness : 1 - 2mm / build-up / application
- Minimum application : 3 coats for external at criss-crossed direction
- Binder : Portland Cement
- Filler : Calcium Carbonate Powder / graded silica
- Additives : Water soluble polymers and air-entrainment agent
- Propertise : Improved consistency, workability, water retention & adhesion
- Standards in compliance : ASTM D4515 : 1995 (Bond strength)
BS 4551 : Part 1 : 1998 (Compressive strength)

EXTERNAL GRADE



022-061
ECO-FRIENDLY BUILDING MATERIAL

SURFACE PREPARATION

Remove all loose materials or traces of foreign materials and ensure surface cleaned, free of dust and dirt. It is recommended to damp the substrate surface prior to the application of **EcoGrey® TPG (P)**. All pinholes, formwork joints and excessive unevenness on substrate should be patched up with **EcoGrey® FMBG & EcoWhite® FMBW** prior to application.

MIXING

Mix thoroughly a bag of 40kg **EcoGrey® TPG (P)** with 13.0 - 14.0 litres of clean water by using an electrical power mixer for 3 to 5 minutes until the homogeneous paste is achieved. Re-mix the material before re-use if the material is left undisturbed for more than 30 minutes.

APPLICATION

Apply freshly mixed **EcoGrey® TPG (P)** with steel trowel or spray machine to profile the substrate surface to an average thickness of 1.5 to 3.0mm. If application requires more than a single layer, continue to trowel **EcoGrey® TPG (P)** and to allow the underlying layer to gain partial curing before applying the subsequent layer to achieve the desired flatness and smoothness. It is recommended to apply a minimum of 2 coats to achieve the desired flatness and smoothness.

PACKING AND STORAGE

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

PRECAUTIONS

- Temperature range for use 10°C - 40°C
- Clean tools with water before the product dries.
- Do not apply to extremely absorbent substrate without prior pre-wetting. In hot conditions, protect the finish surface from drying out rapidly by lightly misting to prevent powderiness.
- Do not mix the product with OPC / White cement / lime.
- Mechanical or manual sanding with any sand paper are strictly prohibited. Sanding will loosen the cohesion and thereby causes powderiness.
- Do not apply thinner than the minimum recommended thickness of 2mm and at minimum of 3 coats at preferred criss-crossed direction.
- Do not apply when there is vigorous hacking activities in the vicinity of the application area.