

EcoGrey® TRP

Formerly known as Thin Render Premium
High Polymer Modified Cement-Based Thin Render

EXTERNAL GRADE



022 - 061
ECO-FRIENDLY BUILDING MATERIAL



DESCRIPTION

EcoGrey® TRP is a high quality polymer modified water-resistant cement- based thin render specially formulated for direct application onto **concrete surfaces** for all patching and repairing and surface levelling works. It is suitable for both **internal** and **external** applications and specially formulated as a superior substitution to site mix cement sand plaster for medium build application by manual method. The product eliminates the need for key coats and addition of bonding agent normally required for site mix and standard render. The grain size is also specially formulated to create a medium light sanded uniform texture when sponged. Direct application of **EcoGrey® TRP** onto painted surface is strictly prohibited.

TECHNICAL SPECIFICATION

- Appearance : Grey
- Adhesion to concrete (28 days) : Approx. 1.0 N/mm² (lab condition)
- Pot life : Approx. 2 - 2½ hours
- Coverage : Approx. 1.65 kg/m² /mm
- Recommended thickness : 5-15mm / 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
- Properties : Improved consistency, workability, water retention & adhesion
- Maximum Grain Size : 2 mm
- Standards in compliance : BS EN 1015-12 : 2016 (Bond strength)
BS EN 1015-18 (Water absorption)
BS EN 1015-19 (Water permeability)
BS 4551 : 1998 (Water retentivity)
JG/T 157-2009 (Water resistance for external wall)
JG/T 298-2010 (Water resistance for internal wall)

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® TRP**. It is recommended to install key coats onto extremely smooth concrete surface and prewetting prior to application.

MIXING

Mix thoroughly a bag of 40kg **EcoGrey® TRP**, with 8.0 - 9.0 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® TRP**, with a steel trowel to profile the substrate surface to an average thickness of 5mm. If application requires more than a single coat, continue to apply **EcoGrey® TRP**, and to allow the underlying coat to gain partial curing before applying the subsequent coat to achieve the desired flatness.

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

PRECAUTIONS

- Please ask for our comprehensive project references for direction external application.
- Do not mix the product with additional lime / sand.
- **It is a utmost compulsory not to exceed the recommended thickness / build-up and at minimum of 3 coats and leave for initial set (or 3 days) before applying the subsequent build-up.**
- It is essential to install notch-trowelled key coat at horizontal spread with the same product multiple layer plastering > 30mm thickness, and the 1st build-up after minimum of 7 days curing.
- Do not apply when there is vigorous hacking activities in the vicinity of the application area.
- Key coat consisting of a thin layer of TRP notched horizontally onto surface is highly-recommended when application onto high strength concrete 50N/mm² with low water absorption.