

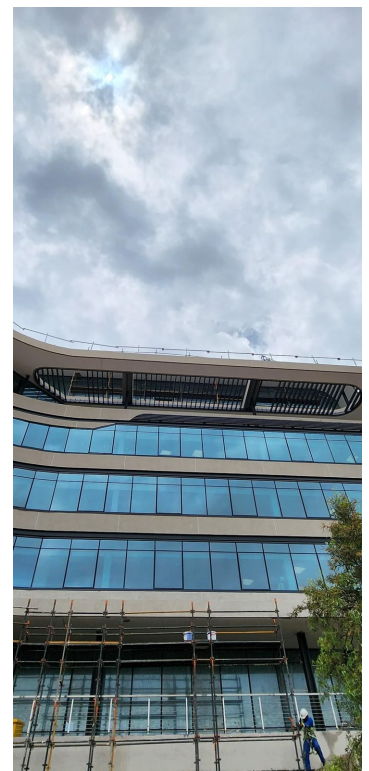
Terraco Textured Coatings & EIFS/ETICS Render Systems

PRODUCT DESCRIPTION

Terraco Textured Coatings are the reinforced, weatherproof outer skin of an external insulation and finish system (EIFS/ETICS): a glass-fibre-mesh-reinforced basecoat over an insulation board, closed with a ready-mixed acrylic/silicone textured topcoat in 50 standard colours and grain sizes from 0.8 to 3 mm. Technopol SA is the exclusive South African distributor of the Terraco chemistry range and also manufactures its own vertically integrated PolyClad ETICS on its own LiteCel EPS board. The render is the finish and the weather barrier. It carries no thermal duty: every R-value in the wall belongs to the insulation board behind it.

TERRACO TEXTURED COATINGS & EIFS/ETICS RENDER SYSTEMS PROPERTIES

PROPERTY	VALUE
Product type	Ready-mixed acrylic/silicone resin-bound textured render (Terracoat Sil).
Finish grades and grain size	Excel 1 / 1.5 / 2 / 3 mm; Granule 0.8 / 1 / 1.5 / 2 mm; Granule Filled 1.5 mm; Sahara 1 / 1.5 / 2 mm - 0.8 to 3 mm grain, 50 standard colours
Thermal conductivity / R / U of the coating	None. The render is a few millimetres of acrylic and contributes no useful thermal resistance.
Adhesion (pull-off bond strength)	>2.0 N/mm ²
Water behaviour	Vapour-permeable, Sd <0.10 m; low liquid-water uptake, W24 <0.15 kg/m ² .h ^{0.5}
Specific gravity (wet coating)	1.70 (Excel); 1.65 (Granule, Granule Filled, Sahara). This is the wet-coating value, not an insulation density.
Coverage	1.5 to 4.5 kg/m ² depending on grade. Technopol takes off at 2.0 kg/m ² , which is about 12.5 m ² from a 25 kg pail.



Summary only — 10 further properties are given in the Terraco Textured Coatings & EIFS/ETICS Render Systems datasheet.

APPLICATIONS AND SCOPE

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- External wall insulation and decorative rendering of new and existing residential, commercial and institutional buildings - on masonry
- Retrofit and over-cladding of an existing building, where insulation has to be added without losing internal floor area
- DEFS (Direct-applied Exterior Finish System) - render-only texturing of masonry or board substrates, with no insulation board
- Decorative textured facades and architectural feature finishes - 50 colours, 0.8 to 3 mm grain

WHERE NOT TO USE IT

- Not for use as a fire division, and not on any wall that must carry a fire-resistance rating in minutes - party walls, escape routes, boundary walls
- Not to be specified on a tall or high-consequence facade without a rational fire design by a competent person
- Not on an EPS facade detailed with horizontal firebreaks only
- Not against or near flues, chimneys, braai or boiler enclosures, or any hot surface