

Terraco EIFS & Textured Coatings

Insulated render facade systems: EPS or mineral-wool board plus reinforced weatherproof acrylic finishes.



Overview

Terraco EIFS and Technopol's own-brand PolyClad ETICS are multi-layer external-wall systems: an insulation board (Technopol EPS or a mineral-wool slab) is adhesive-bonded and mechanically fixed to masonry, timber or light-steel frame, embedded in a reinforced acrylic basecoat with alkali-resistant glass-fibre mesh, and finished with a UV-stable decorative textured topcoat. The build-up adds continuous external insulation and weatherproofing while giving architects a wide range of textures and 50-plus colours. Technopol is the exclusive South African distributor of the Terraco chemistry range (Styrobond, Terramesh, Weathercoat, Terracoat) and manufactures the vertically integrated PolyClad system using its own LiteCel EPS. The full Terraco EIFS build-up carries a 12-year system guarantee.

Applications

- External wall insulation and decorative rendering of new and existing residential, commercial and institutional buildings, including multi-storey
- Decorative textured facades and architectural feature finishes in 50-plus colours and multiple grain sizes
- DEFS (Direct-applied Exterior Finish System) - render-only texturing of masonry or board substrates with no EPS board
- Cladding over masonry, timber and light-steel-frame (LSF) substrates
- Roof and facade waterproofing with Flexicoat and Weathercoat GP
- Board/drywall joint treatment and soffit skimming (Handycoat / EZ-Skim systems)
- Crack repair, filling and skim finishing of walls and ceilings (Handycoat range)
- EPS- and mineral-wool-panel embedding and basecoating (Styrobond DP / Acrylic Plaster)

Benefits

- Adds continuous external insulation that cuts heat gain and loss and reduces thermal bridging
- Enables lightweight architectural detailing and cornices without heavy masonry
- Weatherproof, UV-stable, water-vapour-permeable finishes in 50-plus colours and multiple textures
- Both adhesive and mechanical fixing give wind- and impact-resistant durability - ETICS proven over 40 years by the Fraunhofer long-term study
- 12-year guarantee on the full Terraco EIFS system
- Vertically integrated - Technopol supplies the EPS board and the full render chemistry from a single source

Specifications

System type	EIFS / ETICS - External (Thermal) Insulation & Finish System
Lines	Terraco EIFS Alpha (EPS) - Terraco EIFS Perma (mineral wool) - PolyClad ETICS (own-brand EPS)
Insulation board	Technopol LiteCel EPS (FRCel/GreyCel; grades FR80/FR100/G100) or mineral-wool slab
Board size / thickness	1200 x 600 mm; 50 / 60 mm or to required R-value (GreyCel graphite-EPS ~20% more insulating at equal thickness)
Mineral-wool thermal conductivity	Perma slab lambda-D 0.036 W/mK; StoneWool firebreak 0.035 W/mK at 120 kg/m3
Reinforcing mesh (Terramesh)	~160 g/m2, 4 x 4 mm aperture, 1500 N/50 mm tensile, >=100 mm overlap
Fixing	Adhesive (Styrobond DP / Acrylic Plaster) plus ~5 mechanical dowels per m2 - both mandatory
Render thickness	PolyClad total 3-4 mm; Alpha finish coat 5-8 mm; topcoat adhesion >2.0 N/mm2, vapour-permeable
Finish options	Gravitex / Terracoat Granule Filled / Terracoat Sil / Sprayplaster - 50 colours
System guarantee	12 years (full Terraco EIFS system)

Fire & compliance: These are reaction-to-fire classifications, not fire-resistance (FRR) ratings: the mineral-wool Terraco EIFS Perma system is classed A2-s1,d0 (BS EN 13501-1) - a rating that, together with its BBA and ETA certificates, belongs to the mineral-wool system only - while Technopol's FRCel EPS carries a current reaction-to-fire class of B-

but that test window has lapsed (revalidation pending) so it is not presented as a current certification; Agreement SA 2020/609 covers LiteCore walling only and does not cover these render systems, and Technopol's ISO 9001/14001/45001 certificates have expired.

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