

Acrylic Plaster

Fibre-mesh reinforced polymer render that seals and finishes EPS insulation and masonry on site.



Overview

Acrylic Plaster is Technopol's site-applied, two-component polymer render and finishing system — the sealed skin that turns an EPS panel wall into a plastered wall. A cement-based dry-mix powder is gauged with the styrene-acrylic Acrylic Plaster Key liquid at a fixed 4:1 (by weight) ratio and trowelled over a draped glass-fibre reinforcing mesh in two coats, building up to a smooth ~3 mm finish. It bonds to EPS sheeting, MgO board, metal and masonry, and is the render specified across Technopol's EPS wall and ceiling systems (NuWall, PolyClad and Terraco/EIFS-type build-ups) to give an airtight, hard-wearing, insect-free surface. Supplied as three purchasable parts: 20 kg dry-mix bags, the polymer Key liquid, and rolls of 4 mm-aperture glass-fibre mesh.

Applications

- Finish/render coat over all EPS insulation substrates — EIFS/ETICS external-wall insulation, insulated ceilings and roof systems
- Sealing and finishing of masonry substrates
- Plastering over MgO board and metal substrates
- Airtight, insect-free finish coat for NuWall broiler side-walls (4 mm white/grey render)
- Finish for PolyClad external-wall insulation
- Terraco / EIFS-type external wall build-ups
- Turning EPS panel walls and ceilings into sealed, plastered surfaces on site
- Complete roof or wall EPS installation finishing

Benefits

- Seals EPS and masonry into a smooth, airtight, hard-wearing finished surface
- Glass-fibre reinforcing mesh resists cracking and secures the render
- Simple 4:1 two-coat, hand-trowelled method — no specialised plant
- Bonds to multiple substrates: EPS, MgO board, metal and masonry
- Two finish colours — natural cement and white
- Odourless, non-hazardous cement-based dry mix; Key liquid not classed hazardous for transport

Specifications

Mix ratio (dry mix : Key liquid)	4 : 1 by weight
Finished coating thickness	~3 mm (two coats)
Coverage / spread	~5 kg/m ² at ~3 mm
Time between coats	~30 min (or until first coat touch-dry)
Reinforcing mesh	Glass-fibre roll ~50 m x 1 m, 4 mm aperture
Dry-mix pack	20 kg paper bag
Key (polymer liquid) pack	5 / 25 / 300 L
Dry-mix density	1.50-1.90 g/cm ³
Colours	Natural cement, white
Approved substrates	EPS sheeting, MgO board, metal, masonry

Fire & compliance: No reaction-to-fire class (e.g. B-s1,d0) or fire-resistance (REI) rating is assigned to Acrylic Plaster; per its MSDS the cement-based dry mix is inherently non-combustible while the cured acrylic polymer in the Key will burn, so no fire class may be claimed for the render. The Agreement SA 2020/609 (LiteCore walling only), the Terraco A2-s1,d0 class (mineral-wool EIFS Perma system only) and the company's ISO 9001/14001/45001 certificates (expired) do not apply to this product.

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