

CeilPlast

Rigid EPS ceiling board that skim-plasters into a seamless ceiling — insulation and ceiling in one element.

Overview

CeilPlast is Technopol's rigid expanded-polystyrene (EPS) ceiling-and-roof board, fixed below the batten or rafter line on proprietary retaining extrusions and then finished on site with a fibreglass woven mesh and conventional gypsum-based skim plaster. The finished surface reads as an ordinary seamless plastered ceiling, while the EPS core simultaneously acts as the ceiling substrate and the roof insulation — doing away with both the separate ceiling boards and the battens. Supplied as a bare 16 kg/m³ EPS board in variable thickness, its thermal resistance rises with thickness (R 1.7 m²K/W at 65 mm up to R 3.2 m²K/W at 120 mm), so thickness can be selected by climatic zone to help meet SANS 10400-XA energy-usage requirements.

Applications

- Roof and ceiling insulation where a conventional plastered (skimmed) ceiling finish is wanted together with integrated roof insulation
- Residential and general building ceilings
- New roofs — boards installed after the roof structure is complete and in-roof services are run
- Retrofit over existing roof structures
- Projects needing a single element that replaces both the ceiling board and the battens
- Where a seamless, jointless plastered-ceiling appearance is required
- Thickness selected per climatic zone to support SANS 10400-XA energy compliance

Benefits

- One element does two jobs — ceiling substrate and roof insulation in a single board
- No battens and no separate ceiling boards required, saving material and labour
- Fibreglass-mesh and skim-plaster finish reads as an ordinary seamless plastered ceiling
- Thermal resistance scales with thickness (R 1.7 at 65 mm to R 3.2 at 120 mm)
- Lightweight EPS, easy to handle and cut on site
- Smaller board sizes reduce offcut wastage

Specifications

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| Core material | Rigid expanded polystyrene (EPS), unfaced |
| Nominal density | 16 kg/m ³ (16 g/l) |
| Board width | 500 mm (2020 brochure) / 600 mm (2026 web copy) — confirm current width |
| Board lengths | 2400 mm and 3000 mm |
| Reference thickness | 65 mm (available in variable thickness) |
| Thermal resistance R @ 65 mm | 1.7 m ² K/W |
| Thermal resistance R @ 120 mm | 3.2 m ² K/W |
| Thermal conductivity (lambda) | Not published for CeilPlast |
| Finish system | Fibreglass woven mesh + conventional gypsum-based skim plaster |
| Support system | Proprietary retaining extrusions below batten/rafter line |

Fire & compliance: CeilPlast carries no product-specific reaction-to-fire or fire-resistance rating and is not certified to a fire class; do not assign one without its own test. Technopol's B-s1,d0 result applies only to 60 mm FRCel EPS (not CeilPlast), the Agreement 2020/609 covers LiteCore only, the Terraco A2-s1,d0 classification applies to the mineral-wool EIFS system only, and the ISO 9001/14001/45001 certificates are expired — none may be claimed for CeilPlast. Overall roof ventilation and building fire safety must satisfy SANS 10400-T.

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