

LiteClad / NuClad

PRE-PAINTED STEEL CLADDING PROFILES AND METAL-FACED EPS PANELS

PRODUCT DESCRIPTION

LiteClad is Technopol's "EIFS in metal": an external insulation and finish system where the finish is a factory pre-painted steel profile instead of a wet render coat. It comes in two constructions — loose roll-formed sheeting fixed over a separate continuous FRCell EPS insulation layer, or a factory-laminated panel with the steel face PUR-bonded to the EPS (or stone-wool) core. DutchClad is always laminated and NuClad is always a steel-faced board; ClipClad is loose as standard and laminated on request; for Standing Seam, IBR Wide and Corrugated the construction is set on the order.

LITECLAD / NUCLAD PROPERTIES

PROPERTY	VALUE
Steel face	0.50 mm BMT pre-painted steel, AZ150 Aluzinc (PPGL) standard; 0.47 / 0.57 / 0.80 mm BMT alternatives; yield 250-300 MPa
Profiles and cover widths	Standing Seam 282 (narrow) / 495 (wide); ClipClad 270; DutchClad 293; Corrugated 990; IBR Wide 990 mm.
Fixing	Standing Seam — concealed holding clips, seamed in. ClipClad / DutchClad / NuClad — hidden wafer screws through the interlock.
Insulation core	FRCell fire-retardant EPS, 15 kg/m ³ standard (20 / 30 to order); core thicknesses 25-100 mm standard, to 200 mm custom.
Construction (state it on the order)	DutchClad is a factory-laminated wall panel — 0.5 mm face PUR-bonded to a 50 mm FRCell core. NuClad is a steel-faced EPS board.
Reaction to fire — FRCell EPS core	Class B-s1,d0 to SANS 53501-1. Classified on a bare, unfaced 60 mm FRCell 20DV board at approximately 18.4 kg/m ³ .



Summary only — 8 further properties are given in the LiteClad / NuClad datasheet.

APPLICATIONS AND SCOPE

APPLICATIONS

- External wall cladding and over-cladding (EIFS retrofit) on masonry, concrete or light steel frame
- Roof cladding on the roofing-rated profiles — Standing Seam, ClipClad, IBR Wide and Corrugated — over a separate insulation layer or as a laminated
- Industrial and commercial facades where a factory-painted metal face is wanted instead of a plastered ETICS

WHERE NOT TO USE IT

- Not for use as a fire division — party walls, escape routes, boundary walls, shafts, plant-room separations
- Not for high-rise or high-consequence facades where the approval route requires a current large-scale facade fire test (SANS / BS 8414-2)
- Not against or near flues, chimneys, direct-fired heaters, boiler enclosures or any hot surface. All EPS is combustible