

Technical Data

Specification for Hunter Douglas Construction Elements Luxalon Sandwich Wall System - Standard mineral wool cored

METAL CLADDING

Luxalon® *Bi-Modular 'D' Sandwich Wall Cladding

Fixed *horizontally, available with fully integrated Luxalon Bi-modular windows as tested as a system. As supplied by Hunter Douglas Construction Elements, Luxalon® Facade Systems, Netherlands and be installed by one of the Hunter Douglas Construction Elements Luxalon® Approved Contractors.

- Bearing width: Cladding steelwork supports, providing minimum of 50mm bearing surface erected to specified tolerances and in positions/frequency having regard to wind loadings and deflection criteria mm.
- Panels: Factory assembled composite construction.
- External facing material: 0.70mm thick smooth flat Aluminium.
- Profile: The panel shall consist of two skins of smooth aluminium alloy 3005 and a rigid PVC connecting profile providing a thermal break between inner and outer profiles.
- Finish/Colour: *T.B.A.
- Internal facing material: 0.70mm thick smooth flat aluminium.
- Modules: 200 up to 1,500 mm
- Finish/Colour: *T.B.A.
- Joint type: The panels will be laid horizontally and connected both horizontally and vertically by Hunter Douglas Construction Elements Bi-Modular patented thermally broken, tongue and groove joint. The vertical Bi-Modular 'D' joint will allow for panel removal / replacement in columns of horizontal cladding in bays without interference on adjacent cladding bays, and incorporate an insulation insert and inner flashing.

*** To be advised by Architect**

For further information on this company, go to:
www.barbourproductsearch.info

Technical Data

The *horizontal and vertical joints will have a recessed depth of 10mm and will have a shoulder radius of 3.5mm. The joint will have a standard width of 25mm and will incorporate facilities for allowing adjustment of ± 2 mm. An outer seal shall be provided by the Hunter Douglas Construction Elements proprietary chevron gasket (Ref: 78418).

- Core insulation: The panel shall be formed in controlled factory conditions using a core of high density mineral wool overall density of 155 Kg/m³.

- Accessories: Standard ram-in chevron gasket, aluminium parapet cappings, intermediate cills, trims in aluminium to matching panel colours and PVC self adhesive tape (Advance tapes type AT30 or similar) at junction of dissimilar base materials (where applicable).

- Primary cladding fasteners: By types as recommended by Hunter Douglas Construction Elements as follows:

- o To Cold Rolled sections by Auxiliary Clamp Ref 78368.

- o To Hot Rolled sections (for steel flanges up to 14mm maximum thickness) by either L.H. Clamp Ref 78380 or R.H. Clamp Ref 78385.

- o In circumstances where detail does not permit the use of either a) or b) the Face Fix Clamp Ref 78378 together with an appropriate screw may be used having regard for the pull-out/cantilever effect the clamp will have on the screw and its relationship to the wind loading criteria]

- Thickness: 35/50/60/75/100 mm

- Special features: Specially formed cranked corner panels will be manufactured by Hunter Douglas Construction Elements form Luxalon® Sandwich Panels in accordance with specification.

For further information on this company, go to:
www.barbourproductsearch.info