

CLAD-LINE F2F Framing System

Description:

Clad-Line's F2F system has been designed to accommodate, flat, discrete-fix and hook-on Rainscreen Panels and is fully compliant with all types of A1 and A2 facade panels including aluminium, Rockpanel, fibre cement, ACM and terracotta.

In accordance with the CWCT's 'Standard for Systemised Building Envelopes', CLAD-LINE's Floor 2 Floor framing in conjunction with Metalline's aluminium rainscreen system has been subjected to wind resistance (serviceability and safety), water tightness (dynamic) and both soft and hard body impact testing.

CLAD-LINE's F2F framing spans from floor slab to floor slab, reducing the requirement for multiple helping hand brackets and supporting top hats. This saves considerable time and money on installation costs, simplifies the design process, allows for greater adjustment and reduces the requirement for fixings and brackets by up to 90%.

Features and Benefits:

- Simplifies design and installation
- Reduces labour costs
- Avoids fixing into non-structural infill
- Reduces the amount of fixings required
- Tested to CWCT standards

Applications:

For panel systems using face fixings discrete mechanical fixings (RT1/RT2) or secret fix hook-on cassette (RT3).

Product Guidance – As Standard:

Floor to floor spanning support system comprising an extruded vertical sheeting rail (Rail Type 1 - 2mm face, Rail Type 2 - 4mm face), a Primary Angle Bracket, a BS Link Bracket (allowing for up to 30 degree rotation), Link Bracket Fixing Assemblies, a Fixed Point Clip and a Sliding Point Clip (if required).

Sheeting Rails:

A) CONTINUOUS RAILS:



Clad-Line Framing Solutions
Unit 4 Primary Point,
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These are supplied to site in individual two storey height lengths (6000mm). Prior to offering the rails to the building the Sliding Point Clip, a 150mm long proprietary extrusion, is to be riveted to one end of each rail and the Fixed Point Clip temporarily held on the rail. The rails are connected to the Primary Angle Brackets via the BS Split Clamp Bracket. An expansion gap is allowed between each rail with the bottom of the upper rail sliding into, but not connected to, the Sliding Point Clip riveted to the lower rail. After final lining and levelling of the rail, a through bolt is drilled and inserted between the BS Split Clamp Bracket and the Primary Angle Bracket using the empty pre-drilled hole in the BS Split Clamp Bracket as a drilling locator. Both bolts in the BS Split Clamp Bracket connection to the Primary Angle Bracket are to be tightened to a torque of 11 Nm. The Fixed Point Clip is then slid down onto the top of the dead load BS Split Clamp Bracket and riveted to the web of the sheeting rail.

B) INDIVIDUAL RAILS

These sheeting rails are fixed to the building in the same manner as the continuous rails above. However, for these rails there is no requirement to introduce the expansion joint link (Sliding Point Clip).

Material:

Extruded aluminium to EN755 in 6063/T6 grade alloy.

Fasteners:

Panels fixed to support rails through material face – rivet fix min 15mm from panel edge.

Number and location of fasteners: As specialist structural design.

Options:

Fixings:

A range of fixings are available including:

- BS Split Clamp Fixing Assembly
- RT3 Panel Fixing Hooks



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Product Specification:

Manufacturer:

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Brackets:

Primary Angle Bracket 225mm Projection 75mm High
[CLF2F-225/ANG/BRKT/75]
Primary Angle Bracket 225mm Projection 125mm High
[CLF2F-225/ANG/BRKT/125]
Primary Angle Bracket 225mm Projection 150mm High
[CLF2F-225/ANG/BRKT/150]
Primary Angle Bracket [INSERT] Projection [INSERT] High
[CLF2F-[INSERT]/ANG/BRKT/[INSERT]]

BS SPLIT CLAM BRACKET 75mm
[CLF2F-BS/BRKT/75]
BS SPLIT CLAM BRACKET 100mm
[CLF2F-BS/BRKT/100]
BS SPLIT CLAM BRACKET 150mm
[CLF2F-BS/BRKT/150]
BS SPLIT CLAM BRACKET [INSERT]
[CLF2F-BS/BRKT/[INSERT]]

Rails:

RAIL TYPE 1 2mm FLAT FACE 6000mm
[CLF2F-RAIL1/6000mm]

RAIL TYPE 2 4mm FLAT FACE 6000mm
[CLF2F-RAIL2/6000mm]

RAIL TYPE 3 HOOK-ON RAIL 6000mm
[CLF2F-RAIL3/6000mm]

Link Fixings:

FIXED POINT CLIP 50mm

[CLF2F-Q/CLIP/50]

SLIDING POINT CLIP 150mm

[CLF2F-Q/CLIP/150]

BS SPLIT CLAMP BRACKET FIXING ASSEMBLY

[CLF2F-BS/BRKT/FIXING]

Fixings:

PRIMARY ANGLE BRACKET ANCHOR/FIXING

[INSERT HERE]

Accessories:

Single A2 Isolator Pad [CL-SINGLEPAD/A2]

Double A2 Isolator Pad [CL-DOUBLEPAD/A2]

RAIL TYPE 3 FIXING HOOK

[CLF2F-RAIL3/HOOK]



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