FRAMENAD® Wall Assembly Solution

FC PW 5 - 12mm Standard Gypsum Board - Internal Wall Partition

<table>
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<tr>
<th>Assembly #</th>
<th>Wall Type</th>
<th>Stud Size (mm)</th>
<th>Steel Thickness (mm)</th>
<th>Cavity Fill</th>
<th>Interior Lining</th>
<th>Fire Rating (Min)</th>
<th>Sound Rating (STC, dB)</th>
<th>Thermal Rating (M² K/W)</th>
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<tr>
<td>FC PW 5</td>
<td>Interior Wall Partition. Non-load Bearing</td>
<td>89 to 150</td>
<td>0.75 to 2.00</td>
<td>Rockwool or Glasswool</td>
<td>FRAMENAD® 12mm Standard Gypsum Board</td>
<td>30 min</td>
<td>36</td>
<td>0.18</td>
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Framing and Wall Height

FRAMENAD® Stud width shall be 35mm minimum.
Stud spacing shall be at 610mm centers maximum.
Frame height as determined by specific design.

Cavity Fill (Optional)
Rockwool or Glasswool Insulation. Avoid creating gaps and spaces, as they will allow warm air to bypass the insulation and escape. Cut batts to length by setting the top of the batt into the space and cutting against the bottom plate with a sharp utility knife. Leave an extra 25mm (1 inch) of length for a complete fit. Stuff strips of batting into spaces around windows and doors. The insulation should fit snugly, don’t pack it.

Above rating calculations not dependent on cavity fill.

Lining
One layer of FRAMENAD® 12mm Standard Gypsum Board on each side of the FRAMENAD® cold formed steel wall frame.

Vertical fixing. Full height sheets shall be used where possible.
Horizontal fixing is permitted as long as all longitudinal sheet joints are formed over nog/dwangs.

When sheet end butts joints are unavoidable, they shall be fixed at 200mm centres and formed over framing. All sheet joints must be formed over framing.

Linings are fixed 10mm off the floor.

Fastening

Cladding
FRAMENAD® 12mm Standard Gypsum Board to be fixed using 001848 FRAMENAD® 6g x 32mm Bugle Head Drill Point screws, at 300mm centers along sheet perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fitted.

Lining
FRAMENAD® 12mm Standard Gypsum Board to be fixed using 001848 FRAMENAD® 6g x 32mm Bugle Head Drill Point screws, at 300mm centers along sheet perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fitted.

Jointing and Finishing
All screw heads to be stopped and all sheets joints to have reinforced tape and stopped in accordance with the stopping/ jointing compound manufacturers recommendations.

Note: FRAMENAD® recommends a glue and screw method to aid linings being affixed to wall, ceiling and floor frames. Glue dabs must be intermittent with a minimum distance of 100mm from fastening placement.

NOTE: In order for FRAMENAD® Wall Solutions to perform as designed all components must be installed exactly as prescribed. Substituting building components may produce an entirely different solution and may seriously compromise performance.

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