NOTE: In order for FRAMECAD® 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.

FrameCAD® Flooring Assembly Solution

FC F 2 - 18mm Pro-panel™ Cement Board + 15mm Fire Guard Plasterboard

<table>
<thead>
<tr>
<th>Assembly #</th>
<th>Type</th>
<th>Stud Size (mm)</th>
<th>Steel Thickness (mm)</th>
<th>Coating Grade</th>
<th>Cavity Fill</th>
<th>Flooring</th>
<th>Ceiling</th>
<th>Fire Rating Side</th>
<th>Fire Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC F 2</td>
<td>Interior Floor/Ceiling</td>
<td>89 to 150</td>
<td>0.75 to 2.00</td>
<td>Z275</td>
<td>Rockwool or Glasswool min. R-Value 1.9 M² K/W</td>
<td>FRAMECAD® 18mm Pro-floor Cement Board</td>
<td>FRAMECAD® 15mm Fire Guard Plasterboard</td>
<td>Ceiling</td>
<td>60 min.</td>
</tr>
</tbody>
</table>

Framing

FRAMECAD® webbed joist width shall be 35mm minimum. Floor Joist spacing shall be at 600mm centres maximum. Ceiling Battens spacing shall be at 300mm centers maximum.

Floor Lining

One layer of FRAMECAD® 18mm Pro-panel™ cement board fixed to FRAMECAD® cold formed steel joists. Full height sheets shall be used where possible. All sheet joints must be formed over framing and run in the opposite direction of the joists.

Cavity Fill

Rockwool or Glasswool Insulation. Avoid creating gaps and spaces, as they will allow warm air to bypass the insulation and escape. Cut insulation to size using a sharp utility knife, allowing an additional 25mm (1") to both the width and length for a snug fit.

Rockwool or Glasswool min. R-Value 1.9 M² K/W.

Ceiling Lining

One layer of FRAMECAD® 15mm Fire Guard plasterboard fixed to FRAMECAD® cold formed steel ceiling battens. Full length sheets shall be used where possible. All butt joints must be formed over framing.

Linings are fixed flush with wall lining.

Fastening

Flooring

FRAMECAD® 18mm Pro-panel™ cement board sheets to be fixed using 030149 FRAMECAD® 8g x 35mm X-Drive®, Winged Drill Point screws, at 150mm centers along sheet perimeter and center joists. Fastening placement should be approximately 12mm from sheet edge and approximately 50mm from sheet corners.

Note: FRAMECAD® 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.

Ceiling

FRAMECAD® 15mm Fire Guard plasterboard to be fixed to battens using 001848 FRAMECAD® 6g x 32mm Bugle Head Drill Point screws, at 300mm centers along sheet perimeter and centre studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fit.

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

Jointing and Finishing

All screw / fastener heads should be covered with joint compound and all sheet joints to have reinforced tape and be stopped / jointed in accordance with the stopping / jointing compound manufacturers recommendations.

Fire Stopping / Jointing

Seal any gaps and service penetrations with an intumescent sealant to prevent penetration of flame.

Acoustic Stopping / Jointing

Apply sound seal at junctions between drywall frame and adjoining structure. Sound seal is to be provided as a continuous band to clean, dry, dust free surfaces, leaving no gaps. Seal any gaps and service penetrations.
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