

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

Assembly #	Type	Stud Size (mm)	Steel			Cavity Fill	Flooring	Ceiling	Fire Rating Side	Fire Rating
			Thickness (mm)	Coating	Grade					
FC F 2	Interior Floor/ Ceiling	89 to 150	0.75 to 2.00	Z275	G350 to G550	Rockwool or Glasswool min. R-Value 1.9 M <sup>2</sup> K/W	FRAMECAD® 18mm Pro-floor Cement Board	FRAMECAD® 15mm Fire Guard Plasterboard	Ceiling	60 min. Ref. FCTR.1401

**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 M<sup>2</sup> 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**

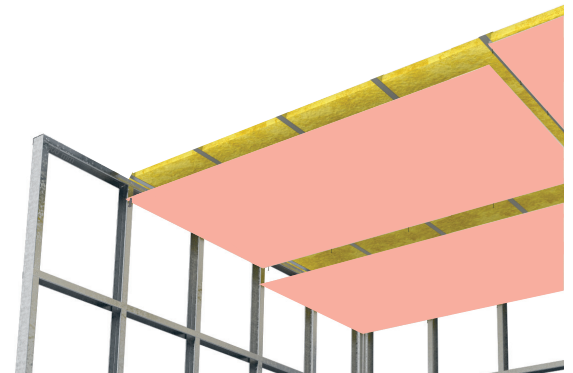
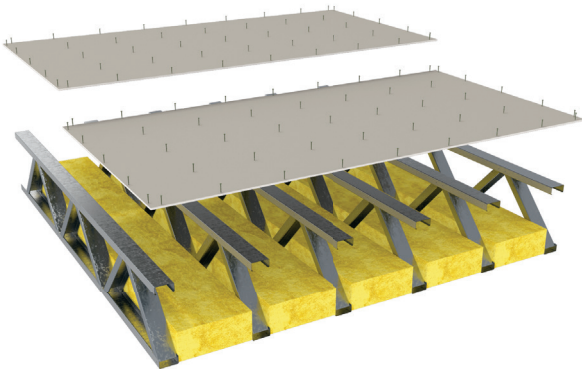
All screw / fastener heads should be covered with joint compound and all sheet joints to have reinforced tape and be stopped / jointed in accordance with the stopping / jointing compound manufacturers recommendations.

**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.



**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.

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FRAMECAD® Design and Build System delivers a full range of building assemblies that meet fire, thermal and acoustic values. For details on the appropriate assembly for your project please contact us. [www.framecad.com](http://www.framecad.com)

**DISCLAIMER:**

This document is current as at July 2015 and supersedes all previous versions of the FRAMECAD® FC F 2.

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