

## FC PW 3 - 9mm Pro-panel™ Cement Board on both sides of cold formed steel

Assembly #	Wall Type	Stud Size (mm)	Steel			Cavity Fill	Interior Lining	Rating Side	Fire Rating (Min)	Sound Rating (STC dB)
			Thickness (mm)	Coating	Grade					
FC PW 3	Interior Wall Partition. Non-load Bearing	89 to 150	0.75 to 2.00	Z275	G350 to G550	Rockwool or Glasswool	FRAMECAD® 9mm Pro-panel™ Cement Board	Both Sides	30min	41
						Ratings based without cavity fill			Ref. FCTR.1401	

**Framing and Wall Height**

FRAMECAD® 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 insulation to size using a sharp utility knife, allowing an additional 25mm (1") to both the width and length for a snug fit.

Above rating calculations not dependent on cavity fill.

**Lining**

One layer of FRAMECAD® 9mm Pro-panel™ cement board on each side of the FRAMECAD® 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 noggs/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**
**Lining**

FRAMECAD® 9mm Pro-panel™ cement board to be fixed using 030149 FRAMECAD® 8g x 35mm X-Drive®, Winged 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.

**Cladding**

FRAMECAD® 9mm Pro-panel™ cement board to be fixed using 030149 FRAMECAD® 8g x 35mm X-Drive®, Winged 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.

*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**

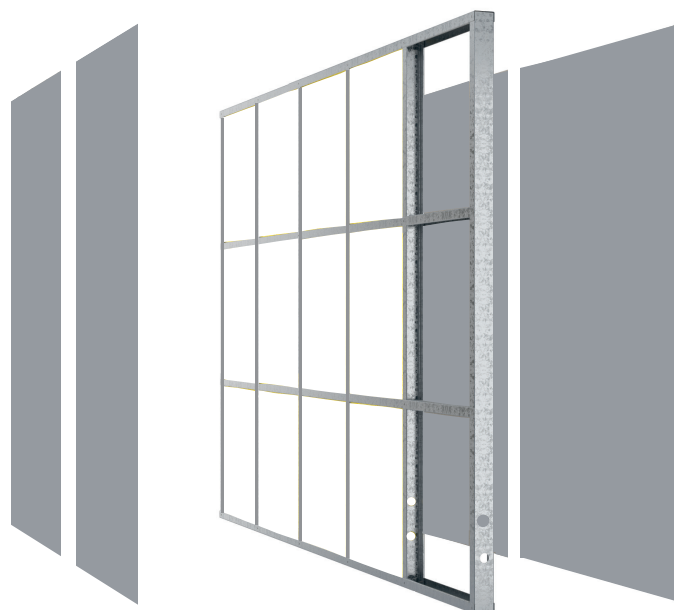
All screw / fastener heads should be covered with joint compound and all sheet joints to have reinforced tape and be stopped / jointed in accordance with the stopping / jointing compound manufacturers recommendations.

**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 PW 3.

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