

FC PW 6 - Double Layer of 15mm Fire Guard Plasterboard on both sides of cold formed steel

Assembly #	Wall Type	Stud Size (mm)	Steel			Interior Lining	Cavity Fill	Fire Rating Side	Fire Rating (Min)	Acoustic Rating (STC dB)	Thermal Rating (M ² K/W)
			Thickness (mm)	Coating	Grade						
FC PW 6	Interior Wall Partition. Non-load Bearing	89 to 150	0.75 to 2.00	Z275	G350 to G550	Double Layer FRAMECAD® 15mm Fire Guard Plasterboard	Rockwool or Glasswool min. R-Value 1.9 M ² K/W	Both Sides	120min	55	1.90
									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

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.

Lining

Double layer of FRAMECAD® 15mm Fire Guard Plasterboard on each side of the FRAMECAD® cold formed steel wall frame. The outer layer shall be staggered off inner layer.

Note: For size and selection details refer to the FRAMECAD® Plasterboard Technical Guide for cold formed steel brochure.

Vertical fixing only permitted. Full height sheets shall be used where possible and touch fit.

Offset joints between sheets and on opposite side of the cold formed steel frame. When sheet end butts joints are unavoidable, they shall be fixed over nogs. All sheet joints must be formed over framing. Linings are fixed hard to the floor.

Fastening
Inner Layer Lining

FRAMECAD® 15mm Fire Guard Plasterboard to be fixed using 001848 FRAMECAD® 6g x 32mm Bugle Head Drill Point screws, at 600mm centers along sheet perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners.

Outer Layer Lining

FRAMECAD® 15mm Fire Guard Plasterboard to be fixed using FRAMECAD® 6g x 51mm 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.

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

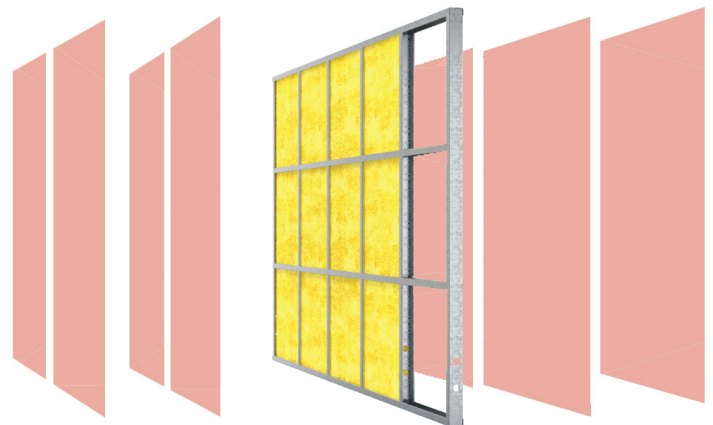
All screw / fastener heads should be covered with joint compound and all sheet joints to have reinforced tape and stopped / jointed in accordance with the stopping / jointing compound manufacturers recommendations.

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

DISCLAIMER:

This document is current as at July 2015 and supersedes all previous versions of the FRAMECAD® FC PW 6.

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