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

Assembly #	Wall Type	Stud Size (mm)	Steel			Cavity Fill	Interior Lining	Fire Rating (Min)	Sound Rating (STC, dB)	Thermal Ratig (M^2 K/W)
			Thickness (mm)	Coating	Grade					
FC PW 5	Interior Wall Partition. Non-load Bearing	89 to 150	0.75 to 2.00	Z275	G350 to G500	Rockwool or Glasswool	FRAMECAD® 12mm Standard Gypsum Board	30 min	36	0.18
						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 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 FRAMECAD® 12mm Standard Gypsum 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 nogs/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
FRAMECAD® 12mm Standard Gypsum Board to be fixed using 001848 FRAMECAD® 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.

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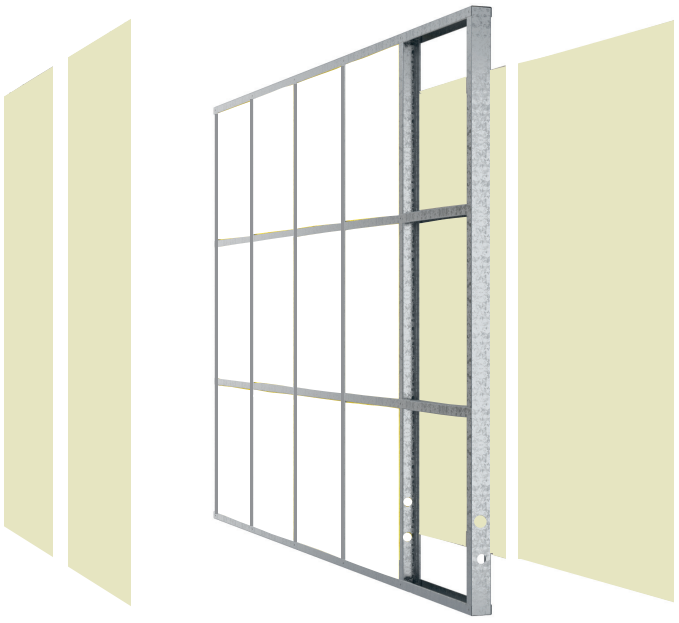
Note: FRAMECAD® recommends a glue and screw method to aid linings being affixed to wall, ceiling and floor frames. Glue dabs must be intermittent with a minimum distance of 100mm from fastening placement.

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: In order for FRAMECAD® Wall Solutions to perform as designed all components must be installed exactly as prescribed. Substituting building componenets 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**