FC EW 5 - 0.4mm Metal Siding Panels + 6mm Fibre Cement Sheet

Assembly #	Stud Size (mm)	Steel			Exterior Cladding	Building Wrap	Interior Lining
		Thickness (mm)	Coating	Grade			
FC EW 5	75 to 100	0.75 to 2.00	Z180 to Z350	G350 to G550	0.4mm Metal Siding	FRAMECAD® Tuff Stuff Wrap	FRAMECAD® 6mm Fibre Cement Sheet

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.

Cladding
One layer of FRAMECAD® 0.4mm Metal Siding on the exterior side of the FRAMECAD® cold formed steel wall frames.

Claddings are fixed a minimum of 50mm off the ground level unless a "Z" flashing is provided or as per local building regulations.

All Sheets to extend below the finished floor level by a minimum of 50mm.

Building Wrap
Install horizontally with a 150mm overlap between runs, with each higher run lapping over the layer below. Install external cladding without delay.

To be effective as a thermal insulator there must be a minimum air gap of 40mm adjacent to at least one reflective foil face.

Note: Aluminum foil is susceptible to alkali attack and therefore should not come in contact with wet concrete.

Lining
One layer of FRAMECAD® 6mm Fibre Cement Sheet on internal 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 framing.

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® 0.4mm Metal Siding Panels to be fixed using 002409 FRAMECAD® 12g x 25mm Hex Head, Drill Point screws with optional EPDM Washers, at 300mm centres. Fastening placement should be through the middle of each stud and positioned in the valley of the corrugation.

Metal Siding must be lapped so that the top sheet is placed over the top of the bottom sheet to avoid water ingress.

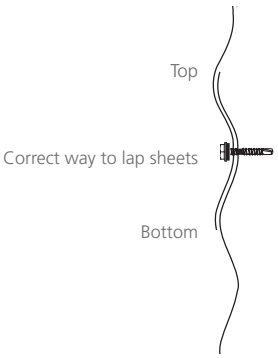
Lining
FRAMECAD® 6mm Fibre Cement Sheet to be fixed using, 030149 FRAMECAD® X-Drive® 8g x 35mm Winged Drill Point screws at 300mm centers along sheet perimeter and centre studs. All Sheet ends must be touch fitted.

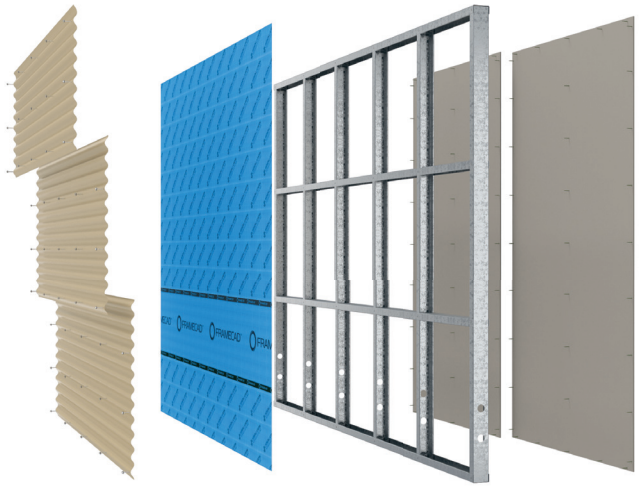
Fastening placement should be 12mm from sheet edge and 50mm from sheet corners.

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.

Refer to the FRAMECAD® Fibre Cement Technical Guide for cold formed steel construction for full details on installation, jointing and finishing.





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 encompasses a full range of building FRAMECAD® Sub-Assemblies that meet fire, thermal and acoustic values, or that are suitable for general lining and cladding. For details on the appropriate assembly for your project please contact us. **www.framecad.com**