

FC EW 7 - 0.4mm Metal Siding Panels + 9mm Fibre Cement Sheet

Assembly #	Stud Size (mm)	Steel			Exterior Cladding	Building Wrap	Interior Lining
		Thickness (mm)	Coating	Grade			
FC EW 7	75 to 100	0.75 to 2.00	Z180 to Z350	G350 to G550	0.4mm Metal Siding	FRAMECAD® Tuff Stuff Wrap	FRAMECAD® 9mm 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 Panels on external side of FRAMECAD® cold formed steel frame. Horizontal fixing on all sheets.

Claddings are fixed a minimum 50mm off 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® 9mm Fibre Cement Sheet on internal side of the FRAMECAD® cold formed steel wall frame.

Horizontal fixing only permitted as long as all end sheet joints are formed over framing.

When sheet end butts joints are unavoidable, they shall be fixed at 200mm centres and 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

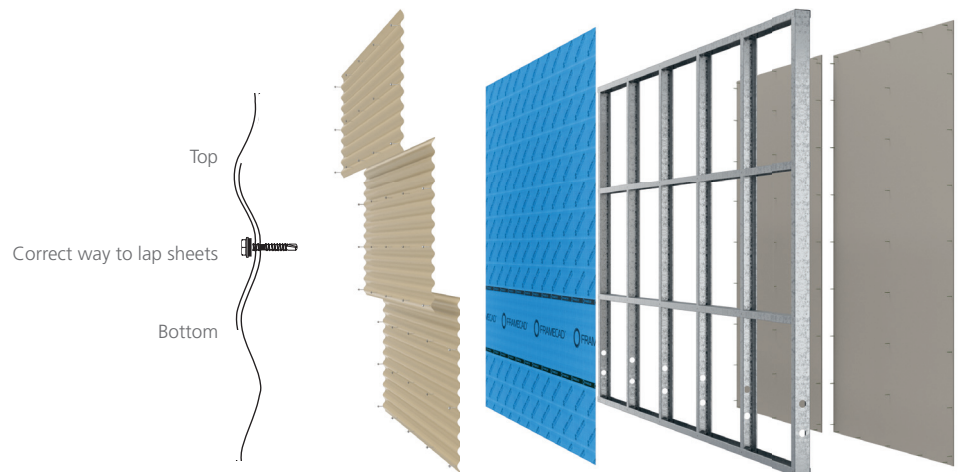
FRAMECAD® 9mm Fibre Cement Sheet to be fixed using, 030149 FRAMECAD® X-Drive® 8g x 35mm Winged Drill Point screws at 300mm centers along sheet perimeter and centre studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners.

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 jointing and render 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.

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

DISCLAIMER:

This document is current as at July 2015 and supersedes all previous versions of the FRAMECAD® FC EW 7.

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