

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.

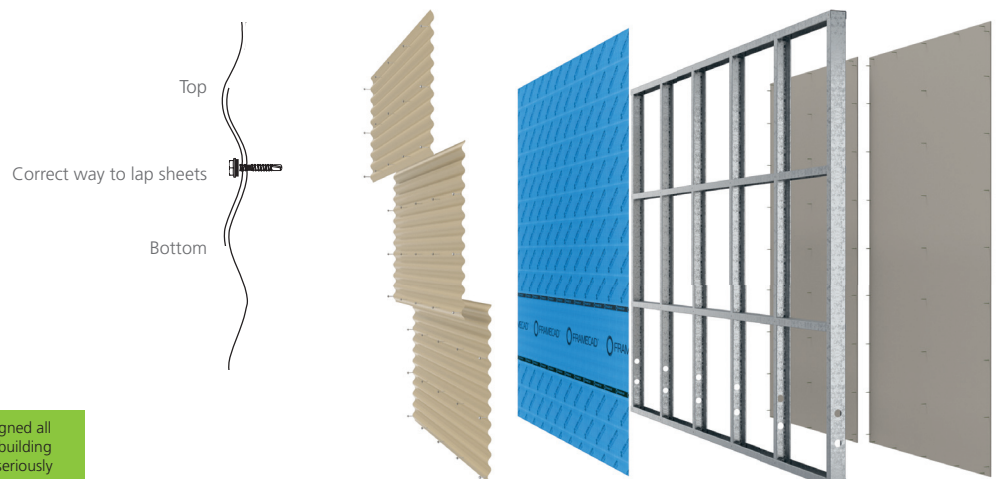
Fastening placement should be 12mm from sheet edge and 50mm from sheet corners.

Note: FRAMECAD® recommends a glue and screw method to aid linings being affixed to wall, ceiling and floor frames. All Sheets to extend below the finished floor level by a minimum of 50mm.

Jointing

All screw heads to be covered and all sheets joints to have reinforced tape and stopped in accordance with the covering / jointing compound manufactures 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.

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

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

FRAMECAD® Ceiling Assembly Solution
August 2013

9.5mm Gypsum Board - Internal Ceiling

Assembly #	Stud Size (mm)	Thickness (mm)	Coating	Grade	Insulation	Interior Lining	Fire	Acoustic STC dB	Thermal R (m² KW)
FC C 2	FRAMECAD® Ceiling Battens	8.55 Minimum	Z275	G250 to G300	Glasswool (Optional)	FRAMECAD® 9.5mm Gypsum Board	30 min.	45	R = 1.3

Ceiling Batten
FRAMECAD® Ceiling Batten spacing shall be at 450mm centers maximum.

Cavity Fill (Optional)
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 with a sharp utility knife. Leave an extra 25mm (1/2 inch) of length for a complete fit. Stuff strips of batten into space. The insulation should fit snugly, don't pack it.

Glasswool insulation thickness 90mm
Glasswool insulation target - R Value 1.3

Lining
One layer of FRAMECAD® 9.5mm Gypsum Board fixed to FRAMECAD® cold formed steel ceiling battens.
Full length sheets shall be used where possible.
All butt joints must be formed over framing.

Linings are fixed flush with wall lining.

Fastening
Ceiling Lining
FRAMECAD® 9.5mm Gypsum Board to be fixed using 001888 FRAMECAD® 6x 32mm Bugle Head, Dill Point screws, at 300mm centres along the perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be to Note: FRAMECAD® recommends a glue and screw method to aid fitting affixed to wall, ceiling and floor frame. Glue dabs must be at a minimum distance of 100mm from fastening placement.

Joining and Finishing
All screw heads to be mopped and all sheet joints to have re and stopped in accordance with the stopping / jointing compound manufacturers recommendations.

FRAMECAD® Wall Assembly Solution
August 2013

9mm Fibre Cement Weatherboards + 15mm Fire Retardant Gypsum Board

Assembly #	Stud Size (mm)	Thickness (mm)	Coating	Grade	Insulation	Interior Lining	Fire	Acoustic STC dB	Thermal R (m² KW)
FC EW 2	80 / 100	9.25 to 14.00	Z275	G250 to G300	FRAMECAD® 9.5mm Gypsum Board	FRAMECAD® 9.5mm Gypsum Board	30 min.	45	R = 1.6

Fastening and Stud Height
FRAMECAD® weatherboards shall be 200mm minimum. Stud height shall be 600mm unless otherwise specified. Frame height measurement of specific design.

Cladding
One layer of FRAMECAD® 9mm Fibre Cement Weatherboards on one side of FRAMECAD® cold formed steel wall frame. All end joints must be staggered and batten to.

Cladding on Deck
FRAMECAD® 9mm Fibre Cement Weatherboards shall be fixed using 001888 FRAMECAD® 6x 32mm Bugle Head, Dill Point screws, at 300mm centres along the perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be to Note: FRAMECAD® recommends a glue and screw method to aid fitting affixed to wall, ceiling and floor frame. Glue dabs must be at a minimum distance of 100mm from fastening placement.

Cladding on Deck
FRAMECAD® 9mm Fibre Cement Weatherboards shall be fixed using 001888 FRAMECAD® 6x 32mm Bugle Head, Dill Point screws, at 300mm centres along the perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be to Note: FRAMECAD® recommends a glue and screw method to aid fitting affixed to wall, ceiling and floor frame. Glue dabs must be at a minimum distance of 100mm from fastening placement.

Joining and Finishing
All screw heads to be mopped and all sheet joints to have re and stopped in accordance with the stopping / jointing compound manufacturers recommendations.

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