

FC EW 1 - 12mm Fibre Cement Sheet + 9mm MgO Board Wall Assembly

Assembly #	Stud Size (mm)	Steel			Exterior Cladding	Cavity Fill	Interior Lining
		Thickness (mm)	Coating	Grade			
FC EW 1	75 to 100	0.75 to 2.00	Z180 to Z350	G350 to G550	FRAMECAD® 12mm Fibre Cement Sheet	Rockwool Density of 40 kg/m ³	FRAMECAD® 9mm Magnesium Oxide Board

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® 12mm Fibre Cement Sheet on the exterior side of 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.

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 cavity insulation density 40 kg/m³ or as per local building regulations.

Lining

One layer of FRAMECAD® 9mm Magnesium Oxide Board 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 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® 12mm Fibre Cement Sheet to be fixed using, 030149 FAMECAD® X-Drive® 8g x 35mm Winged 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.

Lining

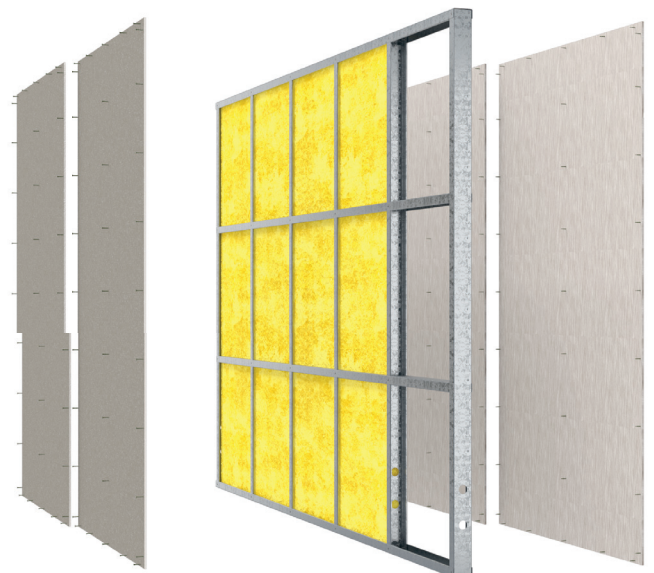
FRAMECAD® 9mm Magnesium Oxide Board to be fixed using, 001848 FRAMECAD® 6g x 32mm Bugle Drill Point screws at 300mm centers along sheet perimeter and center studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fitted.

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 FRAMECAD Insulated Façade System Technical Guide and the FRAMECAD® Fibre Cement Technical guide for further details.



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

DISCLAIMER:

This document is current as at July 2015 and supersedes all previous versions of the FRAMECAD® FC EW 1.

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