FC EW 3 - 9mm Fibre Cement Sheet + 9mm Magnesium Oxide Board

Assembly #	Stud Size (mm)	Steel			Exterior Cladding	Building Wrap	Cavity Fill	Interior Lining
		Thickness (mm)	Coating	Grade				
FC EW 3	75 to 100	0.75 to 2.00	Z180 to Z350	G350 to G550	FRAMECAD® 9mm Fibre Cement Sheet	FRAMECAD® Tuff Stuff Wrap	Rockwool Density of 40 kg/m³	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® 9mmFibre 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.

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.

Cavity Fill
Rockwool Insulation. Avoid creating gaps and spaces, as they will allow 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 (1/2 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.

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 fixed 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

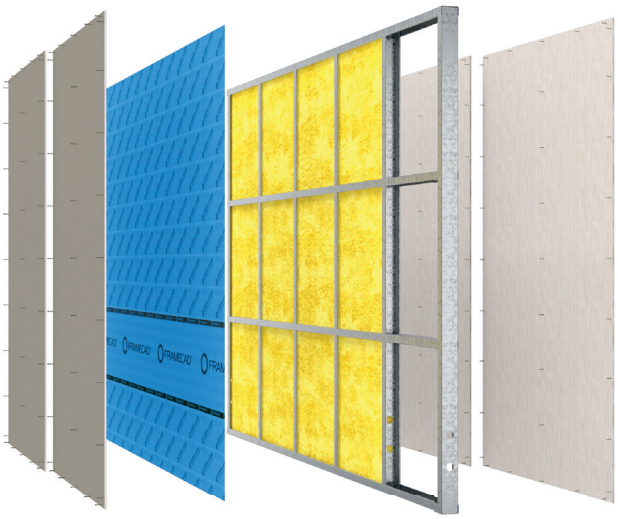
Cladding
FRAMECAD® 9mm Fibre Cement Sheets to be fixed using 030149 FRAMECAD® X-Drive® 8g x 35mm Winged Drill Point screws, at 300mm centers along sheet perimeter and centre studs. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fitted.

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

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 covered and all sheets joints to have reinforced tape and stopped in accordance with the covering / 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:
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