Framing

FRAMECAD® joist width shall be 35mm minimum. Joist spacing shall be at 610mm centers maximum.

Floor Lining

One layer of FRAMECAD®18mm Magnesium Oxide Board fixed to FRAMECAD® cold formed steel joists and run in the opposite direction of the joists.

Full length sheets shall be used where possible. All sheet end joints must be formed over framing.

Cavity Fill (Optional)

Rockwool 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 batting into spaces around windows and doors. The insulation should fit snugly, don’t pack it.

Rockwool cavity insulation density of 40 kg/m² or as per local building regulations.

Fastening

Flooring

FRAMECAD® 18mm Magnesium Oxide Board to be fixed using 030149 FRAMECAD® 8g x 35mm X-Drive®, Winged Drill Point screws, at 300mm centers along joists. Fastening placement should be 12mm from sheet edge and 50mm from sheet corners. All end joints must be touch fit.

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.
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