### Assembly # | Type | Stud Size (mm) | Steel Thickness (mm) | Coating | Grade | Interior Lining | Cavity Fill | Fire Rating Side | Fire Rating (Min.)
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
FC C 3 | Internal Ceiling | FRAMECAD® Ceiling Battens | Batten 0.55 Minimum | G350 to G550 | FRAMECAD® 15mm Fire Resistant Gypsum Board | Rockwool or Glasswool min. R-Value 1.9 M² K/W | Ceiling | 30 min. | Ref. FCTR.1401

## Ceiling Batten

89mm to 150mm web joists at maximum 600mm centers. FRAMECAD® Ceiling Batten spacing shall be at 450mm centers maximum.

## 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 or Glasswool min. R-Value 1.9 M² K/W.

## Lining

One layer of FRAMECAD® 15mm Fire Resistant 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 support.

Lining is fixed flush with wall lining.

## Fastening

**Ceiling Lining**

FRAMECAD® 15mm Fire Resistant Gypsum Board to be fixed using 001848 FRAMECAD® 6g x 32mm Bugle Head, Drill Point screws, at 200mm centers along sheet perimeter and intermediate support. 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 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.

**Fire Stopping / Jointing**

Seal any gaps and service penetrations with a sealant to prevent penetration of flame.
FRAMECAD® Design and Build System delivers a full range of building assemblies that meet fire, thermal and acoustic values. For details on the appropriate assembly for your project please contact us.

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