

E1FC15

Floor/Ceiling

Load Bearing

1 Layer: 1 Layer of Plasterboard to underside side of frame

| System Number | Lining Suffix | Fire Rating | Load Bearing Ability | Noise Control | | | Lining Requirement |
|---------------|---------------|-------------|----------------------|---------------|----|-----|----------------------------|
| | | | | STC | Rw | IIC | |
| E1FC15 | -S13 | 15/15/15 | LB | 38 | 37 | 31 | 1 x 13mm Elephant Standard |

Floor Framing

Timber floor joists shall comply with NZS3604 with a minimum depth of 140mm x 45mm and spaced at no more than 600mm centres. Solid strutting is required in accordance with NZS3604.

Alternatively, a proprietary I-joist system may be used subject to specific structural design and approved by the normal building consent process.

Nogs fixed on the flat to receive the ends of flooring material shall be 90mm x 45mm minimum.

Flooring

Minimum flooring shall be nominal 20mm thick particle board or minimum 17mm thick structural plywood, fixed to the joists as per manufacturers' instructions.

Flooring sheet joints must either be formed over framing or have a polypropylene tongue and groove jointer.

Ceiling Framing

Nogs fixed on the flat to receive the Elephant Plasterboard lining shall be 70mm x 45mm minimum. They are spaced at 600mm centres for joist at 600mm centres or at 1200mm centres for joists at 450mm centres.

Nogs or framing is required at the perimeter of the fire rated ceiling.

Plasterboard Lining

One layer of 13mm Elephant Standard fixed at right angles directly to the underside of floor joists.

All joints must occur on joists and solid blocking.

Sheets shall be touch fitted.

Fixing of Linings

Fasteners

| System Number | Single Layer |
|-------------------|----------------------------|
| | High Thread Drywall Screws |
| E1FC15-S13 | 13mm |
| | 41 x 6g |

Fastener Centres

Place fasteners 150mm centres around the perimeter of each sheet. 200mm centres across each joist and at the centre of each nog.

Place fasteners no closer than 12mm from sheet edges and 18mm from sheet ends.

Wall/Ceiling Junction

The internal angle between the ceilings and walls must be protected by Cornice or square stopped corners, taped and filled in accordance with Elephant Plasterboard Installation Guide.

Jointing

All fastener heads stopped and all sheet joints reinforced with paper jointing tape and stopped. All in accordance with the Elephant Plasterboard Installation Guide.

