

## Universal ceiling systems

Specification number	Performance	Specifications
<b>GBUC 60</b>	<b>FRR</b> 60/60/60	<b>Lining</b> 2 layers 13mm GIB Fyreline® <b>LB/NLB</b> Load bearing

### FRAMING

Timber or steel roof or floor/ceiling framing designed to meet structural criteria for strength and serviceability under dead and live loads.

The separation distance between the ceiling linings and any flooring or roofing material shall be 90mm minimum.

Linings shall be supported by framing members with a minimum width of 35mm spaced at 600mm centres maximum.

In respect of the FRR for this particular system, nogs are required only at the perimeter of the fire rated ceiling.

If timber-framed construction applies, the nogs shall be 70mm x 35mm minimum.

### CEILING LINING

2 layers of 13mm GIB Fyreline® shall be fixed at right angles to the underside of the framing members.

The joints of the second layer are offset 600mm from those in the first layer.

All sheet end butt joints must occur over solid framing.

Sheets shall be touch fitted.

### FASTENING THE LINING

#### Fasteners

Layer	Timber frame	Steel frame
<b>Inner layer</b>	41mm x 6g GIB® Grabber® High Thread Drywall Screws	25mm x 6g GIB® Grabber® Self Tapping Drywall Screws
<b>Outer layer</b>	51mm x 7g GIB® Grabber® High Thread Drywall Screws	41mm x 6g GIB® Grabber® Self Tapping Drywall Screws

#### Fastener centres (both layers)

Place fasteners 12mm from longitudinal sheet edges and 18mm from sheet ends. This distance may be reduced to 12mm from sheet ends at butt joints on furring channels.

Place fasteners at 200mm centres around the ceiling perimeter, along each intermediate framing member and where sheet end butt joints occur.

### WALL/CEILING JUNCTIONS

The internal angle between the ceiling and walls must be protected by GIB-Cove® adhered with GIB-Cove® Bond, or boxed corners (square stopped) filled and taped in accordance with the publication entitled "GIB® Site Guide".

### JOINTING

Inner layer: Unstopped.

Outer layer: All fastener heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled "GIB® Site Guide".

