

# Composite joist

Specification number	Performance	Specifications
<b>GBCJ 60</b>	<b>FRR</b> 60/60/60	<b>Lining</b> 1 layer 16mm GIB Fyreline® <b>LB/NLB</b> Load bearing
	<b>STC</b> 39	
	<b>Rw</b> 39	
	<b>IIC</b> 32	

## FLOOR FRAMING

Floor joists may be either hySPAN® or hyJOIST®. Joists shall be covered by specific engineering design for strength and serviceability, have a depth no less than 190mm and spacing no more than 600mm.

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

Nogs fixed on the flat to receive GIB® linings shall be 70mm x 45mm minimum spaced at 600mm for joists at 600mm, or at 1200mm for joists at 400mm or 450mm.

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

Consult the beam manufacturer re construction of the solid blocking contained in floor/ceiling to wall junctions.

## FLOORING

Minimum flooring shall be nominal 20mm oriented strand board or particle board, or minimum 17mm-thick structural plywood fixed to the joists in accordance with the manufacturers' specifications.

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

## CEILING LINING

1 layer of 16mm GIB Fyreline® shall be fixed at right angles to the underside of the floor joists.

All sheet joints must occur on joists or nogs.

Sheets shall be touch fitted.

## FASTENING THE LINING

### Fasteners

51mm x 7g GIB® Grabber® High Thread Drywall Screws.

### Fastener centres

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

Place fasteners 12mm from longitudinal sheet edges and 18mm from sheet ends.

## 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

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

hySPAN® and hyJOIST® are manufactured and supplied by Carter Holt Harvey Futurebuild, 0800 808 131. Check with the supplier for construction details and independent verification.

