

POSI-STRUT INTER-TENANCY SYSTEMS

POSI-STRUT FLOOR TRUSSES - BATTEN & CRADLE: LAMINEX STRANDFLOOR

PERFORMANCE		SPECIFICATIONS	
STC	62	Lining	2 x 13mm GIB Fyreline®
Rw	65	LB/NLB	Load bearing
FRR	60/60/60	IIC*	56-72

FLOOR FRAMING

Use Posi-STRUT™ engineered floor trusses designed for serviceability, not less than 217mm deep and spaced at 600mm centres maximum.

FLOORING

Laminex Strandfloor® Tongue & Groove or Laminex Strandfloor® H3.1 Tongue & Groove flooring fixed at right angles to the floor joists. Sheet edges other than tongue and groove must be supported by floor joists. No nogging required to support longitudinal sheet joints. Sheets must be laid in a staggered pattern. The minimum length for a cut sheet is 900mm. Apply a 6mm continuous bead of adhesive to joists prior to installation of sheets.

FASTENING THE FLOORING

Adhesive is recommended for use in conjunction with mechanical fastening.

ADHESIVE

- Bostik - Alpha Grip; or,
- Sika - Nailbond Premium; or,
- Holdfast - Gorilla Grip; or,
- HB Fuller - Sturdi Bond

Adhesive shall be applied in a continuous 5mm bead to all floor joists and between sheet ends. A 2mm bead shall be applied along the tongue of the tongue & groove panels as they are laid.

FASTENERS

45mm x 8g wood thread self drilling screws (corrosion resistant).

FASTENER CENTRES (BOTH LAYERS)

200mm centres along each joist. Place fasteners no closer than 15mm to longitudinal and transverse sheet edges. Place fasteners no closer than 50mm to sheet corners.

FLOATING FLOOR AND FLOORING VOID SOUND CONTROL INFILL

Space AcoustiFlor™ Acoustic Cradles at 450mm maximum centres on the bottom layer of Laminex Strandfloor® Tongue & Groove flooring. The AcoustiFlor™ Acoustic Cradles do not need to be aligned with the timber floor joists and are not to be fixed down to the bottom layer of Laminex Strandfloor® Tongue & Groove flooring.

Place the AcoustiFlor™ Structural Battens in the AcoustiFlor™ Acoustic Cradles. Space AcoustiFlor™ Structural Battens at 400mm centres. Lay Pink® Batts® R1.2 (50mm) glass wool insulation between the AcoustiFlor™ Structural Battens.

Laminex Strandfloor® Tongue & Groove flooring fixed at right angles to the AcoustiFlor™ Structural Battens. Sheet edges other than tongue and groove must be supported by battens. Sheets must be laid in a staggered pattern. The minimum length for a cut sheet is 900mm.

Ensure the sheets are laid the correct way down depending on the final finish i.e. tiles or vinyl. Apply a 6mm continuous bead of adhesive to AcoustiFlor™ Structural Battens prior to installation of sheets.

Allow a 5mm minimum gap where sheet edges butt into external/ internal walls. Fill gap with GIB Fire Soundseal® acoustic sealant.

In designated wet areas there is a need to seal the sheet joints and apply a waterproof membrane. If tiles are to be applied as a final finish there may be a requirement to form one or more control joints.

GIB QUIET CLIP® AND BATTENS

The GIB Quiet Clips® shall be fastened to the joists at a maximum of 1200mm centres (and no less than 900mm centres) to support the GIB® Rondo® metal ceiling battens.

INSTALLING THE GIB QUIET CLIP®

Use 3 x 32mm x 8g GIB® Grabber® Self Tapping Wafer Head Screws. Insert the first screw into the middle rubber grommet, tighten enough to hold the GIB Quiet Clip® in place, adjust the clip to the correct height, insert the remaining two screws and tighten. Do not over tighten the screws to the point where the grommet is crushed. The screws should be tightened enough to allow the flexibility to remain in the connection between the grommet and the timber joist.

CEILING VOID SOUND CONTROL INFILL

Ceiling overlaid with Pink® Batts® R2.2 Ceiling (115mm) glass wool insulation.

CEILING LINING

2 layers of 13mm GIB Fyreline® fixed at right angles to the GIB® Rondo® metal ceiling battens.

Offset the joints of the outer layer by 600mm from those of the inner layer. All sheet end butt joints shall occur on the battens and are offset between the first and second layers. Sheet joints are touch fitted.

FASTENING THE LINING

FASTENERS

Inner layer: 25mm x 6g GIB® Grabber® Self Tapping Drywall Screws.
Outer layer: 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 battens.

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

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ACOUSTIC SEALANT

GIB Fire Soundseal® acoustic sealant is required on the inner lining to create seal around the ceiling perimeter.

WALL/CEILING JUNCTIONS

The internal angle between the ceiling and the walls are finished with GIB-Cove® adhered with GIB-Cove® Bond, or square stopped in accordance with the publication entitled GIB® Site Guide, or timber scotia.

JOINTING

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

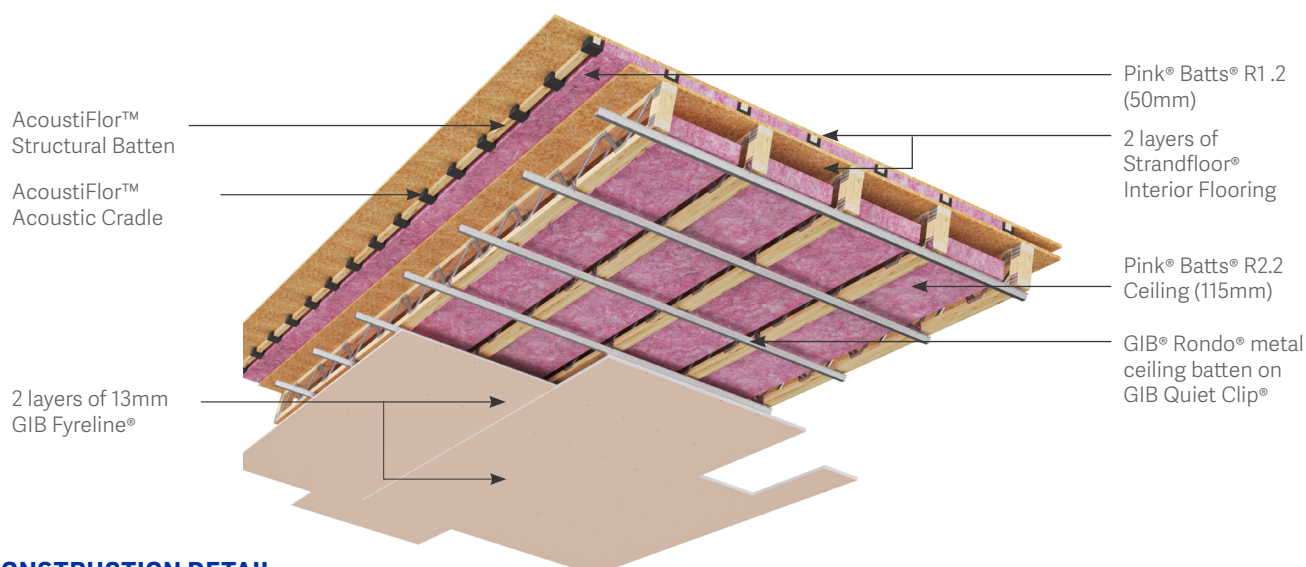
SUPPLEMENTARY MATERIAL

For additional information covering general and wet area installations of Laminex Strandfloor® Tongue & Groove or Laminex Strandfloor® H3.1 Tongue & Groove flooring, refer to the Laminex Strandfloor® Technical Manual.

*IMPACT INSULATION CLASS (IIC)

A performance of IIC 56 is achieved with no floor covering.

A performance of IIC 72 is achieved with a floor covering of 40oz cut pile carpet loose laid on 8mm foam underlay.



CONSTRUCTION DETAIL

