

Laminex® New Zealand Fire and Acoustic Floor System Factsheet



Lightweight timber frame intertenancy mid-floor construction

Laminex® New Zealand (LNZ) has developed a lightweight floor system (above joist weight of approximately 31kg/m²) that is suitable for use as intertenancy floor.

This system has been independently tested and verified to achieve the fire ratings up to 60/60/60 FRR and STC 65/IIC-56 which exceeds the minimum requirements of Clause-G6 of the New Zealand Building Code (NZBC).

The LNZ Fire & Acoustic Floor System is ideal for multi-level residential, health and aged care buildings, as well as mixed use (office, retail and residential).

System Facts

- Tested lightweight timber construction fire and acoustic intertenancy flooring system.
- Acoustic performance = STC 65/IIC-56.
- Fire performance of 60/60/60 FRR tested by BRANZ.
- Independently tested by Auckland University and verified by Marshall Day Acoustics.
- Acoustic performance can be achieved with no reliance on carpet or acoustic underlay, especially if hardwood flooring or tiles are used.
- Concentrated load of 3.6kN and Uniform Distributed Load of 4kPa (office and retail loadings as defined in AS/NZS 1170).
- Level entry shower detail option.
- Two sheet sizes available – 3600 x 1200 mm and 2400 x 1200 mm.
- StrandfloorH3.1® for use in wet areas and increased exposure times.
- Concrete slab overlay solution for existing or new buildings.
- No specialist equipment needed.
- Batten sizes from 42mm x 40mm up to 45mm x 140mm to allow for services to be run in floor cavity.
- Specification number GB DFA 60e.

System Components

- StrandfloorH3.1®, Strandfloor® or SuperPine® Structural Flooring.
- Battens and Cradles from B&C Systems International LTD.
- GIB® Fyreline from Winstone Wallboards.
- Pink® Batts® R1.2 (50mm) BIB blanket from Comfortech.

System Structural Flooring

Laminex® New Zealand Fire and Acoustic Floor System, using Strandfloor® or SuperPine® is suitable for use in dry area applications.

StrandfloorH3.1® is suitable for use in both wet or dry area applications as per the Installation Manual, for buildings within the scope of the NZS 3604, 'timber-framed buildings' or buildings covered by specific engineering design (SED) with a maximum concentrated load of 3.6 kN over a span of 450mm as AS/NZS 1170.1

For Structural Design Actions, Permanent, Imposed and other Actions - Refer to Installation Manual.

Structural Flooring Options

StrandfloorH3.1® & Strandfloor®

Type	Exposure Time	Panel Sizes	Weight (kg) per m ²	Weight (kg) per panel	Pack Size
StrandfloorH3.1® Tongue & Groove	12 weeks	3600x1200x20mm	13.6	60kg	20
		2400x1200x20mm	13.6	40kg	45
StrandfloorH3.1® Square Edge	12 weeks	3600x1200x20mm	13.6	60kg	20
		2400x1200x20mm	13.6	40kg	45
Strandfloor® Tongue & Groove	8 weeks	3600x1200x20mm	13.6	60kg	20
		2400x1200x20mm	13.6	40kg	45
Strandfloor® Square Edge	8 weeks	3600x1200x20mm	13.6	60kg	20
		2400x1200x20mm	13.6	40kg	45

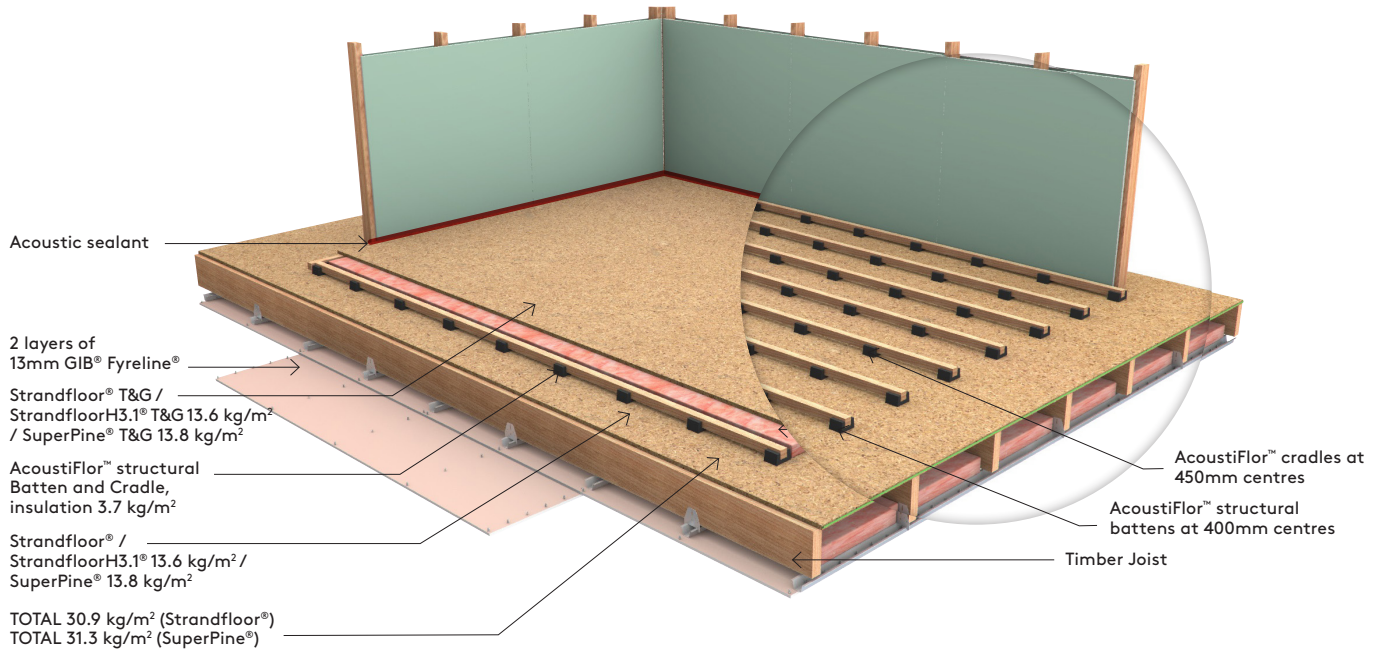
SuperPine®

Type	Exposure Time	Panel Sizes	Weight (kg) per m ²	Weight (kg) per panel	Pack Size
Tongue & Groove	8 weeks	3600x1200x20mm	13.8	60kg	20
		2400x1200x20mm	13.8	40kg	45
Square Edge	8 weeks	3600x1200x20mm	13.8	60kg	20
		2400x1200x20mm	13.8	40kg	45

Note:

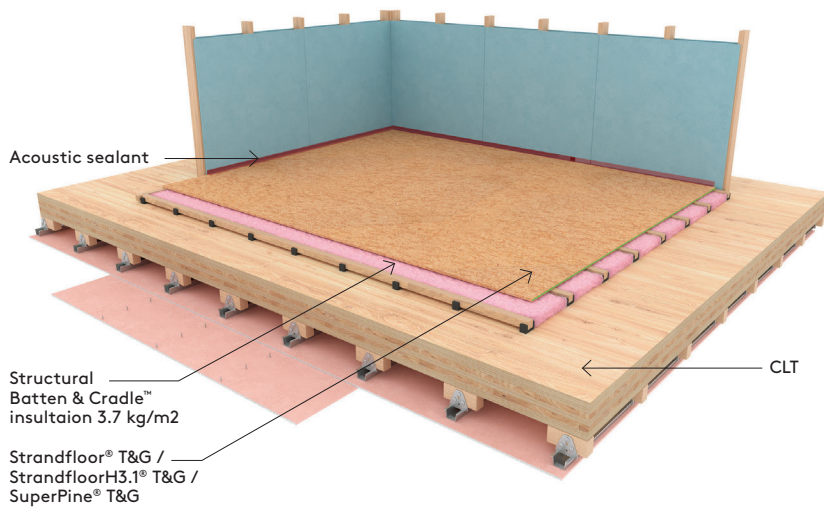
- Only Tongue & Groove product can be used for second layer of the System.
- StrandfloorH3.1® and Strandfloor® Square Edge product is Made To Order (MTO) only. MOQ & T&Cs apply.
- All measurements shown are nominal.

Laminex® New Zealand Fire & Acoustic Floor System



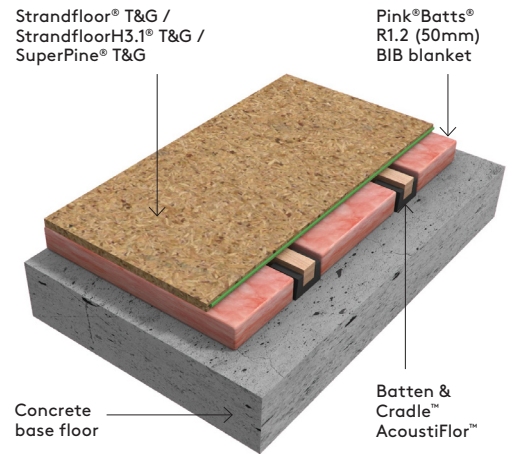
Note: SuperPine® is only suitable for residential flooring loads (not retail or commercial).

System with Cross Laminated Timber (CLT) Fist Layer



Note: All measurements shown are nominal.

System with Concrete Fist Layer



strandfloor® strandfloorH3.1®

SUPERPINE®
by Laminex® New Zealand



Download the Laminex® New Zealand Fire and Acoustic Floor System Installation Manual at laminex.co.nz

Laminex®
NEW ZEALAND