

Product	
strandfloor [®] Fire and Acoustic Floor System (Batten & Cradle AcoustiFlor)	Specification number - GBDA 60e (Gib Noise Control Manual)
Timber Frame Midfloor Construction with second layer of Strandfloor fixed to structural timber battens/joists, located in rubber cradles	
Sound Transmission Class = STC 65	This system is independently tested by University of Auckland Acoustics Laboratory and verified by Marshall Day Acoustics.
Impact Insulation Class = IIC 56	The system performance meets or exceeds the requirements of NZBC G6.3.1 & G6.3.2
Other LNZ products that have acoustic properties - These will contribute to as part of an assembly towards total system performance. (i.e part of wall assembly)	Strandfloor - STC 24
	Strandboard - STC 27
	Strandsarking - STC 24

New Zealand Building Code - G6 Airborne & Impact Sound Acceptable Solution G6/AS1

Objective		
G6.1	The Objective of this provision is to safeguard people from illness or injury or loss of amenity as a result of undue noise being transmitted between abutting occupancies.	examples: Apartments, Hotels, Motels, Student Accommodation, Aged Care, Mixed Retail/Office & Retail/residential.
Functional Requirement		
G6.2	Building elements which are common between occupancies, shall be constructed to prevent undue noise transmission from other occupancies or common spaces to the habitable spaces of the household units.	examples: Sound proofing of walls, ceilings & floors between separate apartments / units. This includes shared learning spaces in education buildings.
Performance		
G6.3.1	The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55	Sound Transmission Class = STC
	+/- 5dB is allowed for field testing	
G6.3.2	The Impact Insulation Class of walls, floors and ceilings, shall be no less than 55	Impact Insulation Class = IIC