

natural wool blend

CHATTERBLOCK®+

ACOUSTIC INSULATION FOR WALLS & MIDFLOOR

Chatterblock+ acoustic insulation has a high density to provide a strong sound barrier as well as exceptional thermal performance.

APPLICATIONS

- Inter-tenancy walls and floors (including GIB Systems)
- Residential and commercial buildings
- Internal walls between living areas, bedrooms and midfloor.

NATURAL BENEFITS

The complex natural design of wool fibre has properties and advantages you will not find in synthetic insulation, making it an exceptional insulating material.

- **ACOUSTIC EXCELLENCE** Terra Lana wool blend insulation is specifically formulated with high density of at least 18kg/m³. Its high flow resistance rating makes it suitable for specialised sound control in a wide range of applications
- **REDUCE TOXINS** Wool can absorb toxic vapours from building materials, trapping them within its cellular structure for a healthier, non-irritating and non-toxic indoor air environment
- **DURABILITY** Terra Lana Insulation will perform to specification for a buildings' lifetime. Blended with polyester and thermally bonded to form a dimensionally stable, durable product
- **INTERNAL MOISTURE MANAGEMENT** The structure of sheep wool fibre is hygroscopic—allowing it to actively absorb and release moisture in the form of vapour. This helps to mitigate against moisture and condensation for a drier, more comfortable environment
- **ENVIRONMENTALLY FRIENDLY** Made with wool recycled from industrial off-cut waste. A natural, renewable resource and 100% recyclable at our factory.
- **INSECT RESISTANCE** Manufactured from new & recycled textile wool fibres that are treated for insect resistance
- **BRANZ APPRAISED** Appraisal 682: 2010
- **QUALITY ASSURANCE** 50 year warranty.

COMPOSITION

Chatterblock+ acoustic insulation is made with pre-consumer waste wool fibre from New Zealand textile and carpet manufacturers. We blend the wool with polyester—mostly from recycled PET bottles—to melt bond the insulation adding rigity for a durable, friction fit product designed to never slump or lose its loft. It has a high density of at least 18kg/m³.

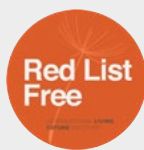
INSTALLATION

Terra Lana acoustic insulation can be substituted within all GIB noise control systems, including intertenancy walls.

Simply rip with bare hands across the bale and friction fit within framing cavities. A 20mm craft knife or shears (hire from Terra Lana) can be used to cut along lengths. Staples can be used for extra support if needed. Custom widths are pre-cut free of charge for orders of more than 50m² per width. Chatterblock ECO can be cut with a 20mm craft knife & ruler.

SPECIFICATIONS

R Value	Depth	Density	Code	Size	m ² /bale
CHATTERBLOCK+ WALL					
R2.2	90mm	18kg/m ³	22.90.560	6 x 2.6m x 560mm	8.74 m ²
R2.4	90mm	26kg/m ³	24.90.560	5 x 2.6m x 560mm	7.28 m ²
R3.2	140mm	21kg/m ³	32.140.560	5 x 2.6m x 560mm	7.28 m ²
CHATTERBLOCK+ MIDFLOOR					
R2.2	90mm	22kg/m ³	22.90.415	6 x 2.6m x 415mm	6.47 m ²
R3.2	140mm	18kg/m ³	32.140.415	5 x 2.6m x 415mm	5.40 m ²



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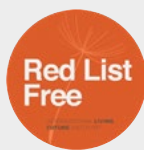
CHATTERBLOCK®+ GIB SYSTEM STC TABLE

Sound insulation STC* ratings of Chatterblock+® 90mm insulation when installed in GIB Systems, as tested by Marshall Day Acoustics.

GIB SPECIFICATION	STC*
Central barrier walls	
Timber frame walls – with GIB Barrierline central barrier	
GBTLAB 60a	68
GBTLAB 60b	64
GBTLAB 60c	67
GBTLAB 60d	61
Steel frame walls – with GIB Barrierline central barrier	
GBSAB 60a	63
GBSAB 60b	67
GBSAB 60c	68
Staggered stud steel frame walls – with 13mm GIB Fyreline central barrier	
GBSAB 60d	56
GBSAB 60e	57
Double frame walls	
Double timber frame walls	
GBTLA 30a	56
GBTLA 30b	56
GBTLA 60	58
GBTLA 90c	60
GBTLA 90d	64
Double steel frame walls	
GBSA 30b	54
GBSA 60c	58
GBSA 45	59
GBSA 90c	60
GBSA 90d	64
GBTLA 90r	55
GBTLIC 45	61
GBTLIC 60	62
GBTLIC 60a	57

GIB SPECIFICATION	STC*
Steel frame walls – GIB Rail and acoustic resilient mount	
GBSA 30r	55
GBSA 60r	55
GBSA 90r	57
GBSIC 45a	55
Staggered steel stud walls	
GBSA 30s	55
GBSA 90s	60
GIB Rondo Quiet Stud	
GBQSA 45	56
GBQSA 60a	55
GBQSA 90	58
Floor/ceiling and suspended grid	
Floor/ceiling systems	
GBDFA 60b	57
GBDFA 60d	67
GBDFA 60e	65
GBSJA 45	55
GBSJA 60	56
Suspended grid systems	
GBSCA 45	56
GBSCA 60a	56

***Sound Transmission Class:** the rating for how well a partition attenuates sound. Higher numbers denote greater reduction of sound.



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