INSULATION RESIDENTIAL GUIDE

GreenStuf®

GREENSTUF® INSULATION QUICK FACTS

HIGH PERFORMANCE

GreenStuf® insulation is not affected by moisture, is naturally resistant to insect and vermin attack, and meets relevant requirements of the NZBC.

FIRE SAFETY

GreenStuf polyester insulation has been independently tested and assessed to the relevant fire standards for New Zealand Building Code (NZBC) compliance, including downlights.

DURABLE

GreenStuf will not settle or reduce its performance over time, and is backed by a 50 year product durability warranty.

SAFE TO TOUCH

GreenStuf is 100% polyester (like a duvet) so there's no nasty itching or scratching. It's completely safe and does not require protective clothing when handling or installing.

SAFER INDOOR AIR QUALITY

GreenStuf does not contain any added chemicals such as formaldehyde-based binders or fibres that can be breathed into your lungs.

RECYCLED CONTENT AND RECYCLABLE

GreenStuf's products are reusable, recyclable, and made of 100% polyester fibre, with as much as 92% recycled fibre sourced from PET plastic. For specific percentages, see product data sheets.

LOCAL AND PROUD

GreenStuf is proudly made in New Zealand for Kiwi homes.

QUALITY

GreenStuf is made under tightly-controlled manufacturing processes. To ensure GreenStuf is consistently of the highest quality, Autex Industries employs a team of experts to run a full-scale product testing laboratory on site.

BREATHE EASIER

GreenStuf is safe to breathe for New Zealanders living with asthma.

WHAT IS GREENSTUF?

GreenStuf is a thermal and acoustic insulation made from 100% polyester fibre. Proudly made for Kiwis by Kiwis, GreenStuf is made on a zero waste manufacturing line; every element—from packaging to product—is recyclable at the end of its life. GreenStuf insulation is safe to touch, with no formaldehyde, Red List chemicals, or potential airborne fibres.

Backed by a 50 year warranty, GreenStuf will never slump or settle over time—unlike traditional insulation—ensuring your project is insulated for the future.

CARING FOR THE ENVIRONMENT

GreenStuf's entire range is crafted from 100% polyester fibre, incorporating as much as 92% recycled fibre sourced from PET plastic. Our products are designed to be recycled at the end of their life too.

We use Life Cycle Assessment (LCA) to understand the environmental impacts of our products and continuously implement initiatives to reduce key hotspots and improve their environmental performance. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ).

Our products are certified to GreenRate Level A, the highest rating for products on a range of environmental, health, and social measures. Each product is covered by a Third-Party Verified Declare Label with a verified 'Red List Free' status, as well as a Health Product Declaration (HPD).

Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development. These certifications can be used in projects pursuing green building certifications.

Red List Free

GREENTAG CERTIFIED trust brands

Declare.

NEW ZEALAND MADE

Telarc. Registered Environment ISO 14001

INSULATING NEW ZEALAND HOMES

A well insulated home provides year-round comfort; it is cooler in the summer and warmer in the winter. Around 35% of the energy used in the average New Zealand household goes towards heating. Without adequate insulation your energy spend is wasted, as heat escapes through the walls, ceilings, and floors.

HOW INSULATION WORKS

Heat always flows from the source to surrounding cooler areas; insulation is designed to slow this heat transfer. The relative efficiency with which it does this is called the R-Value, with 'R' representing the insulation's resistance to heat flow at a given thickness. The higher the R-Value, the more effective the insulation.

A fully-insulated house needs about half the heating of an uninsulated house. So, paying a bit more for insulation when building your new home will save you money well into the future. By investing in insulation you are also reducing your carbon footprint as your home will require less energy to heat and cool.

AN INSULATED HOME IS A HEALTHY HOME

Research studies in New Zealand have found a definite link between insulation and health. The Wellington School of Medicine and Health Sciences study (Published 1 March 2007) showed:

- A substantial drop in energy use when the houses were properly insulated.
- People in insulated houses reported their homes were 'significantly warmer' and drier.
- There was a considerable improvement in the self-reported health of those living in the insulated houses compared to those whose houses were not insulated.
- Adults and children in insulated houses reported visiting their GP less often, less hospital admissions for respiratory conditions, and significantly less reported sick days.
- People living in insulated houses reported less visible mould inside their homes.

R-VALUES

R-Value is a rating used to measure a building material's resistance to heat flow. If you're comparing products, make sure it's tested to New Zealand standards as overseas R-Values are not comparable.

The minimum R-Values for NZ homes are listed in the table below. These show the construction R-Values for each part of the building, and are different to the R-Value of the insulation that is actually installed. For example, a timber-framed wall may need insulation with an R-Value of 2.2 to achieve an overall R-Value of 2.0 depending on the construction (the higher insulation R-Value offsets the lower R-Value of the timber framing).

We recommend using products with high R-Values.

A WELL-INSULATED HOME DELIVERS IN MANY WAYS

Insulate your pocket: A fully insulated home needs about half the heating an uninsulated home requires, saving you money.

Insulate your ears: Insulation helps reduce noise levels in your home creating a quieter, more comfortable environment.

Insulate your family's health: A well-insulated home provides year-round comfort, a healthier environment, and less risk of colds and other respiratory illnesses. Insulation helps to reduce condensation, dampness, and mould.

Insulate New Zealand's future: 18% of all the power we consume comes from burning coal, gas, and oil, adding to the greenhouse gases entering the atmosphere. Installing better insulation in our homes can help reduce future electricity demand, and in turn, lower greenhouse gas emissions.

Insulate first: It's best to insulate when building a new home, or during renovations before cavities are closed in. Well-made, good-quality insulation like GreenStuf will remain effective for years to come.

H1 CLAUSE

H1 clause of the Building Code regulates the energy efficiency of the built environment-covering wall, floor, and ceiling insulation as well as the thermal performance of windows and doors.

AN INSULATED HOME IS A HEALTHY HOME

Research studies in New Zealand have found a definite link between insulation and health. The Wellington School of Medicine and Health Sciences study (Published 1 March 2007) showed:-

A substantial drop in energy use when the houses were properly insulated; people in insulated houses reported their homes were 'significantly warmer' and drier; considerable improvement in the self-reported health of those living in the insulated houses compared to those whose houses were not insulated; and significantly less reported sick days.

CLIMATE ZONES

New Zealand has diverse climates—from subtropic in Northland to sub Antarctic in Invercargill. For H1 purposes, New Zealand has six climate zones that reflect their different temperatures.

Climate zone 1

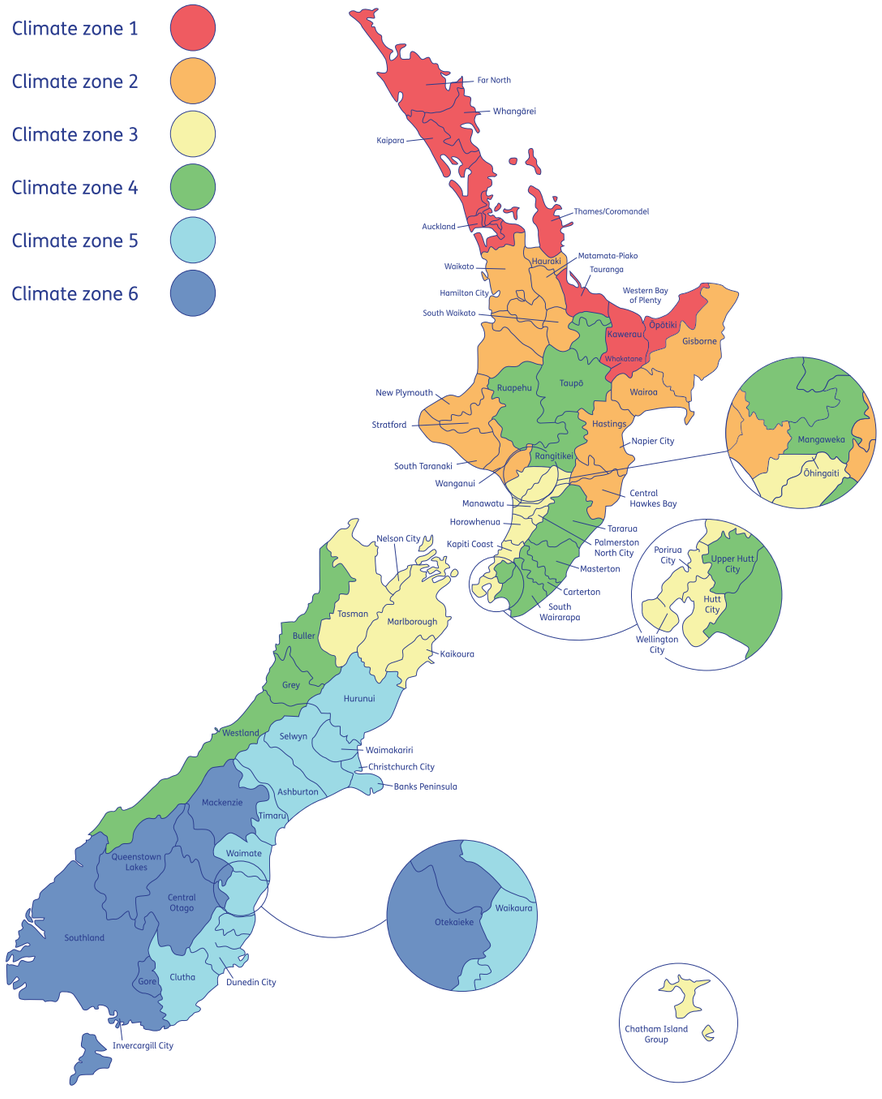
Climate zone 2

Climate zone 3

Climate zone 4

Climate zone 5

Climate zone 6



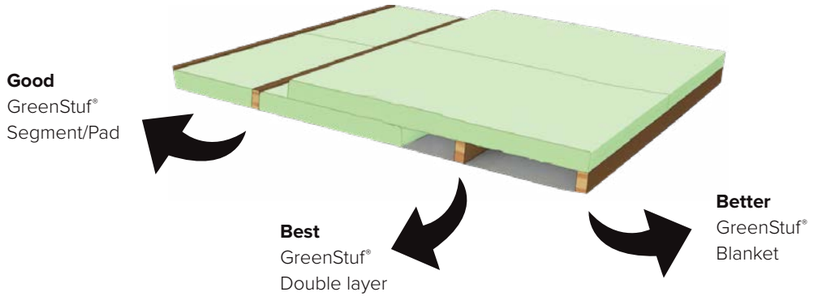
DOUBLE-LAYER INSULATION IS BEST

There are several different types of ceiling insulation. Segments or Pads are the conventional format for insulation products.

These are simply installed snug between ceiling joists. Because they don't cover the ceiling joists you lose heat through 'thermal bridging'.

Insulation blankets can help avoid thermal bridging as they are installed over the top of the ceiling joists, providing complete coverage. Blanket insulation is supplied as rolls for easy and fast installation.

The best option is a double-layer of insulation. The first layer is installed between the ceiling joists with a second layer blanket installed over the top. Installed correctly, GreenStuf insulation eliminates heat loss—ensuring your home stays warm in winter and cool in summer.



H1 BUILDING CODE STANDARDS

The new standards are set depending on building type. For all residential (including apartments and wharenui) and other buildings under 300m² of lettable area refer to Table below.

H1/AS1 FOR ALL RESIDENTIAL AND COMMERCIAL BUILDINGS UNDER 300m²

Minimum construction R-values for building elements that do not contain embedded heating systems Paragraphs 2.1.2.2 b), 2.1.3.1

BUILDING ELEMENT	CONSTRUCTION R-VALUES (M² K/W)					
	CLIMATE ZONE 1	CLIMATE ZONE 2	CLIMATE ZONE 3	CLIMATE ZONE 4	CLIMATE ZONE 5	CLIMATE ZONE 6
Roof	R6.6	R6.6	R6.6	R6.6	R6.6	R6.6
Wall	R2.0	R2.0	R2.0	R2.0	R2.0	R2.0
Floor slab-on-ground floors	R1.5	R1.5	R1.5	R1.5	R1.6	R1.7
Floor other than slab-on-ground floors	R2.5	R2.5	R2.5	R2.8	R3.0	R3.0
Skylights	R0.46	R0.46	R0.54	R0.54	R0.62	R0.62
Windows and doors	R0.46	R0.46	R0.46	R0.46	R0.50	R0.50

FREQUENTLY ASKED QUESTIONS

WHY IS GREENSTUF MORE EXPENSIVE THAN FIBREGLASS?

Put simply, you get what you pay for. The raw material, chemicals, and processes used to manufacture fibreglass are reflected in the price. However, that cheaper material comes at a big cost to performance, health, and the environment.

Unlike most fibreglass insulation, GreenStuf will not deteriorate, slump, or break down over time.

ARE THERE ANY ADDED CHEMICALS USED IN THE GREENSTUF MANUFACTURING PROCESS?

No, we use heat to bind the fibres that form the structure of GreenStuf. Some manufacturers of fibreglass insulation still use formaldehyde based binders. Formaldehyde is a known and classified human carcinogen.

WHAT IS POLYESTER?

Polyester is a synthetic fibre made from polyethylene terephthalate (PET)—the same material used to make plastic drink bottles. GreenStuf contains as much as 92% recycled polyester fibre from previously used PET drink bottles, keeping them out of landfills.

WHAT DOES ‘R-VALUE’ MEAN?

The R-Value of insulation is the industry standard measurement of thermal resistance. The higher the R-Value the greater the performance.

CAN I INSTALL INSULATION MYSELF?

Yes, installing GreenStuf is easy. Installation instructions are included with all of our products. Easy to follow ceiling and underfloor installation videos are also available online.

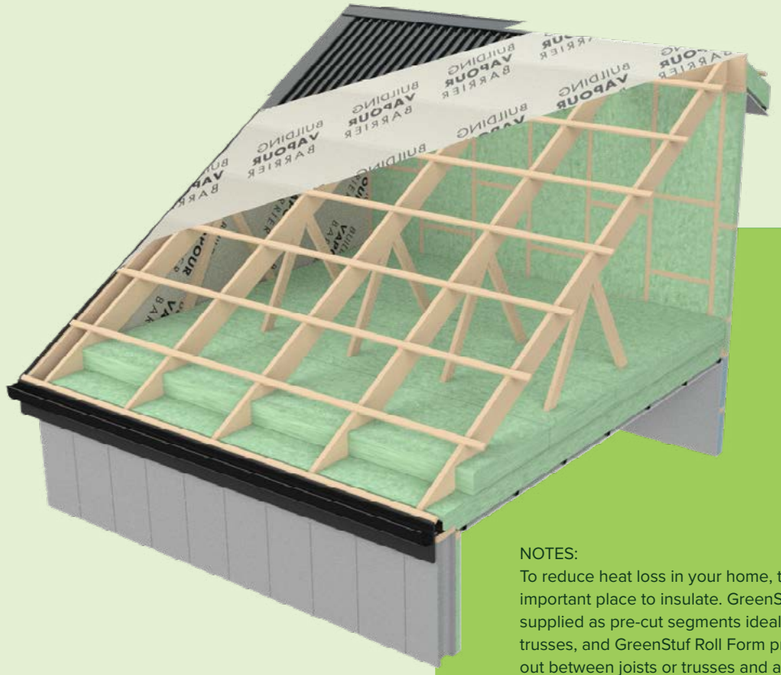
TECHNICAL INFORMATION

CEILING PADS AND ROLL FORM

ROOF CONSTRUCTION: PITCHED TIMBER-FRAMED ROOF WITH 90-140MM CEILING JOIST OR CHORD.
CLADDING: PROFILED METAL OR CONCRETE/CLAY TILES.

COMPLIANT IN ZONES	1	2	3	4	5	6
H1/AS1 - Housing and buildings under 300m²	✔	✔	✔	✔	✔	✔

PRODUCT	CONSTRUCTION R-VALUE
GreenStuf R3.4 140mm Roll (Double Layer)	R6.7
GreenStuf R3.6 140mm (Double Layer)	R7.0



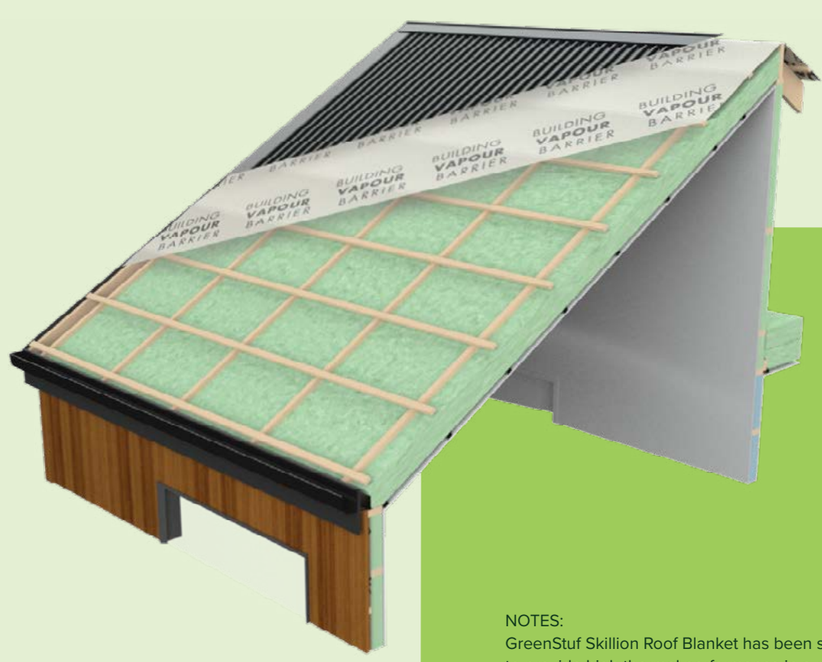
NOTES:
To reduce heat loss in your home, the ceiling is the most important place to insulate. GreenStuf Ceiling Pads are supplied as pre-cut segments ideal for placing between joists/ trusses, and GreenStuf Roll Form products are ideal for rolling out between joists or trusses and as a blanket. Roll Form is also ideal for double-layer installations to achieve optimal thermal performance. Both GreenStuf Pads and Roll Form products are available in a range of BRANZ appraised performance options.

SKILLION ROOF BLANKET

ROOF CONSTRUCTION: SKILLION ROOF WITH 280MM RAFTERS AND BATTENS. CLADDING: PROFILED METAL OR CONCRETE/CLAY TILES.

COMPLIANT IN ZONES	1	2	3	4	5	6
H1/AS1 - Housing and buildings under 300m²	✔	✔	✔	✔	✔	✔

PRODUCT	CONSTRUCTION R-VALUE
GreenStuf R3.4 140mm Roll (Double Layer)	R6.6
GreenStuf R3.6 140mm (Double Layer)	R7.0



NOTES:
GreenStuf Skillion Roof Blanket has been specifically designed to provide high thermal performance in a restricted spaces such as Skillion Roofs. GreenStuf Skillion Roof Blanket comes in a range of performance options and is pre-cut to fit standard timber framing widths.

WALL OPTIONS

WALL CONSTRUCTION: TIMBER-FRAMED CAVITY. CLADDING: BEVEL-BACKED WEATHERBOARD.

INSULATION	INSULATION R-VALUE				
GreenStuf®	2.0	2.2	2.5	2.6	2.9
FRAMING TIMBER SIZE (90MM)	**GREENSTUF CONSTRUCTION R-VALUE**				
Studs at 600mm and Dwangs at 800mm	1.9	2.1	2.2		
Studs at 600mm and Dwangs at 600mm	1.9	2.0	2.1		
Studs at 400mm and Dwangs at 800mm	1.9	2.0	2.0		
Studs at 400mm and Dwangs at 600mm	1.8	1.9	2.0		
FRAMING TIMBER SIZE (140MM)	**GREENSTUF CONSTRUCTION R-VALUE**				
Studs at 600mm and Dwangs at 800mm	2.1	2.3	2.4	2.5	2.8
Studs at 600mm and Dwangs at 600mm	2.1	2.2	2.4	2.5	2.7
Studs at 400mm and Dwangs at 800mm	2.1	2.2	2.3	2.5	2.7
Studs at 400mm and Dwangs at 600mm	2.1	2.2	2.3	2.4	2.6

NOTES:
GreenStuf Pads are designed for the thermal insulation of timber-framed buildings. They come as insulation segments pre-cut to fit standard timber-framing. Thermally bonded into shape, they are designed to be self-supporting in walls and require no stapling into place. GreenStuf wall products are available in a range of performance options for both 90mm and 140mm framing.

MASONRY WALL BLANKET

WALL CONSTRUCTION: STRAPPED & LINED CONCRETE/BLOCK.

INSULATION	INSULATION R-VALUE					
GreenStuf® Masonry Wall Blanket	0.5	1.0	1.3	2.0	2.2	2.5
INSULATION	**GREENSTUF INSULATION R-VALUE**					
250 Series with 45mm Strapping at 600mm Centres	0.8	1.2	1.3			
200 Series with 45mm Strapping at 600mm Centres	0.8	1.1	1.2			
150 Series with 45mm Strapping at 600mm Centres	0.7	1.1	1.2			
INSULATION	**GREENSTUF INSULATION R-VALUE**					
250 Series with 90mm Studs at 600mm Centres and Dwangs at 1200mm	0.8	1.3	1.6	1.9	2.1	2.2
150 Series with 90mm Studs at 600mm Centres and Dwangs at 1200mm	0.8	1.2	1.5	1.9	2.0	2.1

NOTES:
GreenStuf Masonry Wall Blanket is designed for the thermal and acoustic insulation of strapped and lined concrete and masonry walls. Installing GreenStuf Masonry Wall Blanket within the internal wall construction will assist sound reduction through the wall by reducing the resonating noise inside the construction cavity. GreenStuf will not wick moisture through concrete or masonry wall, reducing the potential for mould and moisture damage. GreenStuf Masonry Wall Blanket comes in a range of performance options and is pre-cut to fit standard timber strapping widths.

UNDERFLOOR

FLOOR CONSTRUCTION: SUSPENDED TIMBER FLOORS (WITHOUT LINING) AND ENCLOSED SUB-FLOOR WITH CONTINUOUS PERIMETER WALL.

GREENSTUF R VALUE	R1.8	R2.0	R2.6	R2.9	R3.4
290mm Joists at 600mm Centres	2.05	2.29	2.8	3.16	3.6
290mm Joists at 400mm Centres	2.1	2.29	2.8	3.16	3.6
190mm Joists at 600mm Centres	2.05	2.24	2.76	3.01	3.41
190mm Joists at 400mm Centres	2.05	2.18	2.7	2.93	3.28
140mm Joists at 600mm Centres	2.05	2.18	2.66	2.89	3.25
140mm Joists at 400mm Centres	1.98	2.13	2.56	2.76	3.08

NOTES:
GreenStuf Underfloor is designed to provide thermal insulation under the exposed joist floors of new and existing timber-framed buildings. GreenStuf Underfloor reduces heat loss through floors and assists in reducing drafts caused by gaps in the floorboards. There is no need to cut or trim to fit, simply staple into place between the joists. GreenStuf Underfloor comes in a range of thermal performance options as pre-cut rolls to fit standard exposed timber joist floors.

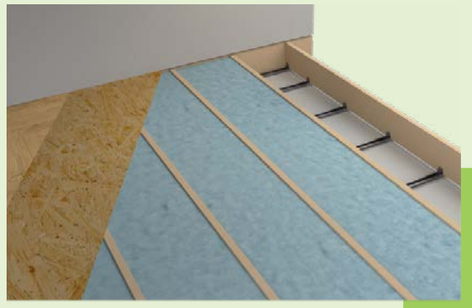
SOUND SOLUTION

MID-FLOOR CONSTRUCTION: STANDARD RESIDENTIAL CONSTRUCTION USING 140MM TIMBER JOISTS WITH A METAL CEILING BATTEN SYSTEM.

MATERIAL	NO FILL IN CAVITY	SOUND SOLUTION IN CAVITY
10mm Standard Plasterboard	STC 38	STC 44
10mm Acoustic Plasterboard	STC 39	STC 45
13mm Standard Plasterboard	STC 40	STC 46
13mm Acoustic Plasterboard	STC 42	STC 48

INTERNAL WALL CONSTRUCTION: STANDARD RESIDENTIAL CONSTRUCTION USING 90MM TIMBER FRAMING.

MATERIAL	NO FILL IN CAVITY	SOUND SOLUTION IN CAVITY
10mm Standard Plasterboard	STC 33	STC 39
10mm Acoustic Plasterboard	STC 37	STC 44
13mm Standard Plasterboard	STC 35	STC 41
13mm Acoustic Plasterboard	STC 38	STC 45



NOTES:
GreenStuf Sound Solution is designed for the acoustic insulation of timber-framed buildings. It reduces airborne sound, impact noise and noise transmission by controlling resonating noise inside the construction cavity. Sound Solution is ideal for internal walls and mid-floor cavities, and comes as insulation segments and rolls pre-cut to fit standard timber framing. The addition of Sound Solution in a standard timber-framed wall will significantly reduce sound transfer between rooms. Sound Solution is ideal for isolating bedrooms and bathrooms from living spaces. Sound Solution used in a mid-floor cavity will significantly reduce noise between levels, including foot fall. Acoustic privacy can be further increased by adding multiple layers of plasterboard or disconnecting the construction elements. For more information or design assistance please contact your local Autex representative on 0800 428 839.

ACOUSTIC PERFORMANCE

The Sound Transmission Class (STC) rating of a wall or floor construction relates to the noise level reduction of sound from one side to the other. An STC rating is the industry recognised assessment of the acoustic performance of a construction system. The higher the STC number, the better the acoustic performance.

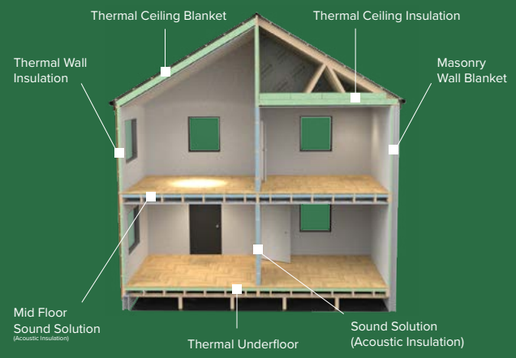
- Identify rooms that need extra sound insulation to keep noise out (i.e. bedrooms, and office/study).
- Identify rooms that need extra sound insulation to keep noise in (i.e. home theatre rooms, ensuite and bathrooms, laundry and internal garages).
- Try to separate living areas from sleeping areas. Use hallways to help isolate home theatre rooms from living and sleeping areas.
- Make sure all joints in walls and ceilings are as airtight as possible Plasterboard joints in walls and ceilings should be sealed with acoustic sealant when the plasterboard is being installed. Make sure powerpoints are not set back-to-back between rooms, and thatrecessed downlights are minimised downstairs. Sound will easily travel through these acoustic weak points.

STC	WHAT CAN BE HEARD
25	Normal speech can be understood quite easily and distinctly
30	Loud speech can be understood fairly well, normal speech heard but not understood
35	Loud speech audible but not intelligible
40	Onset of “privacy”
42	Loud speech audible as a murmur
45	Loud speech not audible
55	Very loud sounds such as musical instruments or a stereo can be faintly heard
60+	Superior soundproofing; most sounds inaudible

GreenStuf®

100% POLYESTER INSULATION

greenstuf.co.nz | 0800 428 839 | enquiries@greenstuf.co.nz
Takeback Programme available please call 0800 428 839



GreenStuf. ECO WRAP (HOT WATER CYLINDER WRAP)

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	R-VALUE	M²/PACK	ROLL/PADS PER PACK
R1.2 Eco Wrap 1 x 1.2m x 3l/m	PFL490+	50mm	1200mm	R1.2	3.6	1

GreenStuf. THERMAL UNDERFLOOR INSULATION

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	R-VALUE	M²/PACK	ROLL/PADS PER PACK
R1.5 Thermal Underfloor 5 x 450mm x 8.90l/m	PUFA1545^	100mm	450mm	R1.5	20	5
R1.5 Thermal Underfloor 4 x 500mm x 10l/m	PUFA1550^+	100mm	500mm	R1.5	20	4
R1.5 Thermal Underfloor 4 x 600mm x 8.34l/m	PUFA1560^+	100mm	600mm	R1.5	20	4
R1.5 Thermal Underfloor 3 x 650mm x 10.3l/m	PUFA1565^	100mm	650mm	R1.5	20	3
R1.8 Thermal Underfloor 5 x 450mm x 7.78l/m	PUFA1845^	100mm	450mm	R1.8	17.5	5
R1.8 Thermal Underfloor 4 x 500mm x 8.75l/m	PUFA1850^+	100mm	500mm	R1.8	17.5	4
R1.8 Thermal Underfloor 4 x 600mm x 7.29l/m	PUFA1860^+	100mm	600mm	R1.8	17.5	4
R1.8 Thermal Underfloor 3 x 650mm x 9l/m	PUFA1865^	100mm	650mm	R1.8	17.5	3
R2.0 Thermal Underfloor 5 x 450 x 6.66l/m	PUFA2045P	115mm	450mm	R2.0	15	5
R2.0 Thermal Underfloor 4 x 500 x 7.50l/m	PUFA2050P	115mm	500mm	R2.0	15	5
R2.0 Thermal Underfloor 4 x 550 x 6.81l/m	PUFA2055P	115mm	550mm	R2.0	15	5
R2.0 Thermal Underfloor 4 x 600 x6.25l/m	PUFA2060P	115mm	600mm	R2.0	15	5
R2.0 Thermal Underfloor 3 x 650 x 7.69l/m	PUFA2065P	115mm	650mm	R2.0	15	5
R2.6 Thermal Underfloor 4 x 500mm x 7.50l/m	PUFA2650	140mm	500mm	R2.6	15	4
R2.6 Thermal Underfloor 4 x 600mm x 6.25l/m	PUFA2660	140mm	600mm	R2.6	15	4
R2.9 Thermal Underfloor 6 x 380mm x 7.02l/m	PUFA2938	140mm	380mm	R2.9	16	6
R2.9 Thermal Underfloor 4 x 500mm x 8.50l/m	PUFA2950	140mm	500mm	R2.9	17	4
R2.9 Thermal Underfloor 4 x 580mm x 6.90l/m	PUFA2958	140mm	580mm	R2.9	16	4
R2.9 Thermal Underfloor 4 x 600mm x 7.08l/m	PUFA2960	140mm	600mm	R2.9	17	4
R3.4 Thermal Underfloor 4 x 500mm x 5l/m	PUFA3450	140mm	500mm	R3.4	10	4

GreenStuf. CAR PARK AND ACOUSTIC SOFFIT LINER (ASL)

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	SLABS PER PACK	R-VALUE	M²/PACK	ROLL/PADS PER PACK
ASL R1.7 Unlaminated 4 x 1.2m x 2.4m	PSL160075S*	75mm	4	R1.7	11.52	4
ASL R1.7 Foil Finish 4 x 1.2m x 2.4m	PSL171224*	75mm	4	R1.7	11.52	4
ASL R1.7 Black Finish 4 x 1.2m x 2.4m	PSL171224BF*	75mm	4	R1.7	11.52	4
ASL R2.1 Unlaminated 3 x 1.2m x 2.4m	PSL220090S*	90mm	3	R2.1	8.64	3
ASL R2.1 Foil Finish 3 x 1.2m x 2.4m	PSL211224*	90mm	3	R2.1	8.64	3
ASL R2.1 Black Finish 3 x 1.2m x 2.4m	PSL211224BF*	90mm	3	R2.1	8.64	3
ASL R2.5 Unlaminated 3 x 1.2m x 2.4m	PSL3200100S*	100mm	3	R2.5	8.64	3
ASL R2.5 Foil Finish 3 x 1.2m x 2.4m	PSL251224*	100mm	3	R2.5	8.64	3
ASL R2.5 Black Finish 3 x 1.2m x 2.4m	PSL251224BF*	100mm	3	R2.5	8.64	3
ASL R3.0 Unlaminated 2 x 1.2m x 2.4m	PSL2400140S*	140mm	2	R3.0	5.76	2
ASL R3.0 Black Finish 3 x 1.2m x 2.4m	PSL301224BPT	140mm	3	R3.0	8.64	3

GreenStuf. THERMAL WALL INSULATION

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	PAD WIDTH	R-VALUE	M²/PACK	ROLL/PADS PER PACK
Thermal Wall Pads						
R2.0 Retrofit Wall Pads 10 x 560mm x 1.16l/m	PGFPW205670+	70mm	560mm	R2.0	6.5	10
R2.0 Wall Pads 20 x 360mm x 1.16l/m	PGFPW2036	90mm	360mm	R2.0	8.35	20
R2.0 Wall Pads 18 x 560mm x 1.16l/m	PGFPW2056	90mm	560mm	R2.0	11.69	18
R2.2 Wall Pads 18 x 360mm x 1.16l/m	PGFPW2236^+	90mm	360mm	R2.2	7.52	18
R2.2 Wall Pads 18 x 560mm x 1.16l/m	PGFPW2256^+	90mm	560mm	R2.2	11.69	18
R2.5 Wall Pads 12 x 360mm x 1.16l/m	PGFPW2536^+	90mm	360mm	R2.5	5.01	12
R2.5 Wall Pads 10 x 560mm x 1.16l/m	PGFPW2556^+	90mm	560mm	R2.5	6.50	10
R3.2 Wall Pads 12 x 560mm x 1.16l/m	PGFPW3256^	140mm	560mm	R3.2	7.80	12
R3.6 Wall Pads 8 x 360mm x 1.16l/mm	PGFPW3636^	140mm	360mm	R3.6	3.34	8
R3.6 Wall Pads 8 x 560mm x 1.16l/m	PGFPW3656^	140mm	560mm	R3.6	5.20	8
Thermal Wall Roll						
R2.0 Roll Form 4 x 580mm x 8.62l/m	PTL2058140T*	140mm	580mm	R2.0	20	4
R2.2 Roll Form 4 x 580mm x 8.62l/m	PTL2258140T*	140mm	580mm	R2.2	20	4
R2.6 Roll Form 4 x 580mm x 8.62l/m	PTL2658^+	140mm	580mm	R2.6	20	4
R2.9 Roll Form 4 x 580mm x 7.33l/m	PTL2958140T^*	140mm	580mm	R2.9	17	4
Masonry Wall Blanket						
R0.5 Masonry Wall Blanket 2 x 590mm x 25.42l/m	PMW0559	20mm	590mm	R0.5	30	2
R1.0 Masonry Wall Blanket 4 x 580mm x 12.93l/m	PMW1058+	45mm	580mm	R1.0	30	4
R1.3 Masonry Wall Blanket 6 x 580mm x 2.4l/m	PMW1358+	45mm	580mm	R1.3	8.35	6

GreenStuf. THERMAL CEILING INSULATION

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	R-VALUE	M²/PACK	ROLL/PADS PER PACK
Thermal Ceiling Blanket (Skillion Roof Blanket)						
R2.9 Ceiling Blanket 4 x 870mm x 2.4l/m	PSR2987^+	115mm	870mm	R2.9	8.35	4
R3.2 Ceiling Blanket 4 x 870mm x 2.4l/m	PSR3287	165mm	870mm	R3.2	8.35	4
R3.4 Ceiling Blanket 4 x 870mm x 2.4l/m	PSR3487	165mm	870mm	R3.4	8.35	4
R3.6 Ceiling Blanket 4 x 870mm x 2.4l/m	PSR3687+	165mm	870mm	R3.6	8.35	4
R3.6 Ceiling Blanket 3 x 870 x 2.4l/m	PSR3687140T	140mm	870mm	R3.6	6.26	3
Thermal Ceiling Pads						
R2.9 Ceiling Pads 13 x 430mm x 1.22l/m	PGFPC2913	175mm	430mm	R2.9	6.82	13
R3.2 Ceiling Pads 13 x 430mm x 1.22l/m	PGFPC3213	180mm	430mm	R3.2	6.82	13
R3.4 Ceiling Pads 10 x 430mm x 1.22l/m	PGFPC3410+	190mm	430mm	R3.4	5.25	10
Thermal Ceiling Roll						
R1.0 Roll Form 2 x 870mm x 10.35l/m	PTL1087	45mm	870mm	R1.0	18	2
R1.5 Roll Form 4 x 580mm x 10.78l/m	PTL1558	100mm	870mm	R1.5	25	4
R1.5 Roll Form 2 x 870mm x 10.35l/m	PTL1587*	100mm	870mm	R1.5	18	2
R1.8 Roll Form 4 x 580mm x 10.78l/m	PTL1858^	100mm	580mm	R1.8	25	4
R1.8 Roll Form 2 x 870mm x 14.37l/m	PTL1887^+	100mm	870mm	R1.8	25	2
R2.2 Roll Form 4 x 580mm x 8.62l/m	PTL2258*+	150mm	580mm	R2.2	20	4
R2.2 Roll Form 2 x 870mm x 11.49l/m	PTL2287*	150mm	870mm	R2.2	20	2
R2.4 Roll Form 4 x 580mm x 8.62l/m	PTL2458	140mm	580mm	R2.4	20	4
R2.4 Roll Form 2 x 870mm x 8.62l/m	PTL2487*	140mm	870mm	R2.4	15	2
R2.6 Roll Form 4 x 580mm x 8.62l/m	PTL2658^+	140mm	580mm	R2.6	20	4
R2.6 Roll Form 2 x 870mm x 9.77l/m	PTL2687	140mm	870mm	R2.6	17	2
R2.9 Roll Form 4 x 580mm x 7.33l/m	PTL2958^*	185mm	580mm	R2.9	17	4
R2.9 Roll Form 2 x 870mm x 9.77l/m	PTL2987^	185mm	870mm	R2.9	17	2
R3.2 Roll Form 4 x 580mm x 7.33l/m	PTL3258^	190mm	580mm	R3.2	17	4
R3.2 Roll Form 2 x 870mm x 9.77l/m	PTL3287^+	190mm	870mm	R3.2	17	2
R3.4 Roll Form 4 x 580mm x 7.33l/m	PTL3458*	200mm	580mm	R3.4	17	4
R3.4 Roll Form 2 x 870mm x 7.47l/m	PTL3487+	200mm	870mm	R3.4	13	2
R3.4 Roll Form 2 x 870mm x 6.00 l/m	PTL3487140T	140mm	870mm	R3.6	10.44	2
R3.6 Roll Form 4 x 580mm x 7.33l/m	PTL3658^*	210mm	580mm	R3.6	17	4
R3.6 Roll Form 2 x 870mm x 8.05l/m	PTL3687^+	210mm	870mm	R3.6	14	2
R4.0 Roll Form 2 x 870mm x 6.00l/m	PTL4087+	220mm	870mm	R4.0	10.44	2
R4.1 Roll Form 2 x 870mm x 5.00l/m	PTL4187^*	210mm	870mm	R4.1	8.7	2

GreenStuf. THERMAL BUILDING INSULATION BLANKET (BIB)

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	R-VALUE	M²/PACK	ROLL/PADS PER PACK
R1.0 BIB 1 x 1200mm x 16.67l/m	PIB10120*	45mm	1200mm	R1.0	20	1
R1.5 BIB 1 x 1200mm x 10.83l/m	PIB15120*	100mm	1200mm	R1.5	13	1
R1.8 BIB 1 x 1200mm x 10.83l/m	PIB18120*	100mm	1200mm	R1.8	13	1
R2.2 BIB 1 x 1200mm x 10.42l/m	PIB22120*	150mm	1200mm	R2.2	12.5	1
R2.6 BIB 1 x 1200mm x 7.5l/m	PIB26120*	140mm	1200mm	R2.6	9	1
R3.2 BIB 1 x 1200mm x 7.5l/m	PIB32120*	190mm	1200mm	R3.2	9	1
R3.4 BIB 1 x 1200mm x 6.67l/m	PIB34120*	200mm	1200mm	R3.4	8	1
R4.1 BIB 1 x 1200mm x 5l/m	PIB41120*	210mm	1200mm	R4.1	6	1

Product manufactured to order. GreenStuf BIB is supplied standard without a foil face. Foil facings can be pre-laminated by GreenStuf on request.
Other roll widths may be available on request. Minimum order quantity of 200m² per width (split) may apply. Please discuss your requirements with your GreenStuf contact.

GreenStuf. SOUND SOLUTION® CLASSIC

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	DENSITY	WEIGHT	M²/PACK	ROLL/PADS PER PACK
Sound Solution® Pads 17 x 580mm x 1.16l/m	PQSS43	90mm	12.2kg/m³	1100gsm	11.4	17
Sound Solution® Roll 5 x 430mm x 11.63l/m	PQSSR43	90mm	12.2kg/m³	1100gsm	25	5
Sound Solution® Roll 4 x 580mm x 10.78l/m	PQSSR58+	90mm	12.2kg/m³	1100gsm	25	4
Sound Solution® Roll (Reclaimed) 2 x 580mm x 10l/m	PQSSR58P	90mm	12.2kg/m³	1100gsm	11.6	2
Sound Solution® Plus (IT) 4 x 560mm x 8.04l/m	PQSSIT56+	90mm	14.7kg/m³	1325gsm	18	4

GreenStuf. SOUND SOLUTION® PLUS (ASB)

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	DENSITY	WEIGHT	M²/PACK	ROLL/PADS PER PACK
Sound Solution® Plus 50 (ASB3) 2 x 600mm x 16.5l/m	PSB360+	50mm	600mm	14.7kg/m³	735gsm	19.8	2
Sound Solution® Plus 60 (ASB4) 2 x 600mm x 11.1l/m	PSB460	60mm	600mm	12.5kg/m³	750gsm	13.3	2
Sound Solution® Plus 70 (ASB5) 2 X 600mm x 11.1l/m	PSB560	70mm	600mm	12.9kg/m³	900gsm	13.3	2
Sound Solution® Plus 75 (ASB6) 2 x 600mm x 11.1l/m	PSB660+	75mm	600mm	14.7kg/m³	1105gsm	13.3	2
Sound Solution® Plus 120 (ASB7) 2 x 600mm x 11.1l/m	PSB760	120mm	600mm	14kg/m³	1680gsm	13.3	2

GreenStuf. BAFFLEBLOCK (ACOUSTIC INSULATION)

PRODUCT NAME	PRODUCT CODE	THICKNESS (mm)	ROLL WIDTH	DENSITY	WEIGHT	M²/PACK	ROLL/PADS PER PACK
Baffleblock 2 x 600mm x 8.33l/m	PQBB60+	100mm	600mm	10kg/m³	1000gsm	10	2

GreenStuf. AUTEX ACOUSTIC BLANKET (AAB)

PRODUCT NAME	PRODUCT CODE	THICK-NESS (mm)	SLABS WIDTH	DENSITY	WEIGHT	M²/PACK	SLABS PER PACK
AAB 14-25 White Roll 1 x 1.2m x 25m	PAB0353R*	25mm	1200mm	14kg/m³	350gsm	30	1
AAB 14-25 Black Roll 1 x 1.2m x 25m	PAB0353B*	25mm	1200mm	14kg/m³	350gsm	30	1
AAB 14-25 Grey Roll 1 x 1.2m x 25m	PAB0353SG*	25mm	1200mm	14kg/m³	350gsm	30	1
AAB 25-25 White Slab 10 x 1.2m x 2.4m	PAB625S*	25mm	1200mm	25kg/m³	625gsm	28.8	10
AAB 25-25 Black Slab 10 x 1.2m x 2.4m	PAB625SB*	25mm	1200mm	25kg/m³	625gsm	28.8	10
AAB 25-25 Grey Slab 10 x 1.2m x 2.4m	PAB625SG*	25mm	1200mm	25kg/m³	625gsm	28.8	10
AAB 35-25 White Slab 10 x 1.2m x 2.4m	PAB875S*	25mm	1200mm	35kg/m³	875gsm	28.8	10
AAB 35-25 Black Slab 10 x 1.2m x 2.4m	PAB875SB+	25mm	1200mm	35kg/m³	875gsm	28.8	10
AAB 35-25 Grey Slab 10 x 1.2m x 2.4m	PAB875SG*	25mm	1200mm	35kg/m³	875gsm	28.8	10
AAB 48-25 White Slab 10 x 1.2m x 2.4m	PAB1200S*	25mm	1200mm	48kg/m³	1200gsm	28.8	10
AAB 48-25 Black Slab 10 x 1.2m x 2.4m	PAB1200SB*	25mm	1200mm	48kg/m³	1200gsm	28.8	10
AAB 48-25 Grey Slab 10 x 1.2m x 2.4m	PAB1200SG*	25mm	1200mm	48kg/m³	1200gsm	28.8	10
AAB 14-50 White Slab 5 x 1.2m x 2.4m	PAB701S*	50mm	1200mm	14kg/m³	700gsm	14.4	5
AAB 14-50 Black Slab 5 x 1.2m x 2.4m	PAB701SB*	50mm	1200mm	14kg/m³	700gsm	14.4	5
AAB 14-50 Grey Slab 5 x 1.2m x 2.4m	PAB701SG*	50mm	1200mm	14kg/m³	700gsm	14.4	5
AAB 35-50 White Slab 5 x 1.2m x 2.4m	PAB1750S+	50mm	1200mm	35kg/m³	1750gsm	14.4	5
AAB 35-50 Black Slab 5 x 1.2m x 2.4m	PAB1750SB+	50mm	1200mm	35kg/m³	1750gsm	14.4	5
AAB 35-50 Grey Slab 5 x 1.2m x 2.4m	PAB1750SG	50mm	1200mm	35kg/m³	1750gsm	14.4	5
AAB 48-50 White Slab 5 x 1.2m x 2.4m	PAB2401S*	50mm	1200mm	48kg/m³	2400gsm	14.4	5
AAB 48-50 Black Slab 5 x 1.2m x 2.4m	PAB2401SB	50mm	1200mm	48kg/m³	2400gsm	14.4	5
AAB 48-50 Grey Slab 5 x 1.2m x 2.4m	PAB2401SG*	50mm	1200mm	48kg/m³	2400gsm	14.4	5
AAB 20-75 White Slab 3 x 1.2m x 2.4m	PAB1503S*	75mm	1200mm	20kg/m³	1500gsm	8.64	3
AAB 20-75 Black Slab 3 x 1.2m x 2.4m	PAB1503SB*	75mm	1200mm	20kg/m³	1500gsm	8.64	3
AAB 20-75 Grey Slab 3 x 1.2m x 2.4m	PAB1503SG*	75mm	1200mm	20kg/m³	1500gsm	8.64	3
AAB 35-75 White Slab 3 x 1.2m x 2.4m	PAB2600S*	75mm	1200mm	35kg/m³	2625gsm	8.64	3
AAB 35-75 Black Slab 3 x 1.2m x 2.4m	PAB2600SB*	75mm	1200mm	35kg/m³	2625gsm	8.64	3
AAB 35-75 Grey Slab 3 x 1.2m x 2.4m	PAB2600SG*	75mm	1200mm	35kg/m³	2625gsm	8.64	3
AAB 48-75 White Slab 3 x 1.2m x 2.4m	PAB3600S*	75mm	1200mm	48kg/m³	3600gsm	8.64	3
AAB 48-75 Black Slab 3 x 1.2m x 2.4m	PAB3600SB*	75mm	1200mm	48kg/m³	3600gsm	8.64	3
AAB 48-75 Grey Slab 3 x 1.2m x 2.4m	PAB3600SG*	75mm	1200mm	48kg/m³	3600gsm	8.64	3
AAB 20-100 White Slab 2 x 1.2m x 2.4m	PAB2000S*	100mm	1200mm	20kg/m³	2000gsm	5.76	2
AAB 20-100 Black Slab 2 x 1.2m x 2.4m	PAB2000SB+	100mm	1200mm	20kg/m³	2000gsm	5.76	2
AAB 20-100 Grey Slab 2 x 1.2m x 2.4m	PAB2000SG*	100mm	1200mm	20kg/m³	2000gsm	5.76	2
AAB 40-100 White Slab 2 x 1.2m x 2.4m	PAB4000S*	100mm	1200mm	40kg/m³	4000gsm	5.76	2
AAB 40-100 Black Slab 2 x 1.2m x 2.4m	PAB4000SB*	100mm	1200mm	40kg/m³	4000gsm	5.76	2
AAB 40-100 Grey Slab 2 x 1.2m x 2.4m	PAB4000SG*	100mm	1200mm	40kg/m³	4000gsm	5.76	2
AAB 48-100 White Slab 2 x 1.2m x 2.4m	PAB4800S*	100mm	1200mm	48kg/m³	4800gsm	5.76	2
AAB 48-100 Black Slab 2 x 1.2m x 2.4m	PAB4800SB*	100mm	1200mm	48kg/m³	4800gsm	5.76	2
AAB 48-100 Grey Slab 2 x 1.2m x 2.4m	PAB4800SG*	100mm	1200mm	48kg/m³	4800gsm	5.76	2

+ Product available ex-stock. All others are manufactured to order and may require a minimum order quantity. Please discuss your requirements with your GreenStuf account manager, or contact GreenStuf customer support. Standard slab size 2400mm x 1200mm. Other sizes may be available on request. Cutting surcharges and MOQ's may apply.

* MOQ OF 200M² MAY APPLY ^ BRANZ APPRAISED PRODUCT + STOCKED

BRANZ Appraised Appraisal No.380
BRANZ Appraised Appraisal No.734

OUR TEAM

Rob Woolner
Managing Director
North Island
+64 21 589 443
robw@autex.co.nz

TJ Jhagroo
Account Manager
North Island
+64 27 388 2466
tj@greenstuf.co.nz

Dan Hoy
Account Manager
North Island
+64 21 226 5510
dan@greenstuf.co.nz

Kristian Bisset
Account Manager
Lower North Island
+64 21 494 179
kbisset@autex.co.nz

Hamish Whelan
Territory Manager
South Island
+64 21 880 732
hwhelan@autex.co.nz

GreenStuf®

GreenStuf® FACTORY AND COLLECTIONS
40 Westpoint Drive,
Hobsonville, Auckland 0618,
New Zealand

FREEPHONE **0800 428 839**
PHONE **+64 9 828 9179**
FAX **+64 9 828 5810**
WEB **greenstuf.co.nz**

AN ISO 9001, ISO 14001 AND ISO 45001 CERTIFIED COMPANY

GS_NZ_BR_Residential Guide_Homeowners_Oct25_CS