

# GreenStuf<sup>®</sup> Insulation Residential Guide



# GREENSTUF® INSULATION QUICK FACTS



## 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.



## High performance

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



## 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 is manufactured using a minimum of 50% previously recycled polyester fibre (from PET plastic) and is reusable and recyclable at end of life.



## Local and proud

GreenStuf is proudly made in New Zealand for Kiwi homes.



## Breathe easier

GreenStuf has been independently endorsed by Asthma New Zealand and accepted into their Breathe Easy programme as a product considered safe for New Zealanders living with asthma.



## 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.



## 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 is manufactured using 100% polyester fibre and contains a minimum of 50% previously recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We use Life Cycle Analysis (LCA) to understand the environmental impacts of our products and set targets to reduce these. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ).

We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate Level A, Health Product Declaration (HPD). GreenStuf is Declare certified to be Red List free, and can be used in Living Building Challenge projects.

Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.





# Why GreenStuf® Polyester Insulation?

## 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. GreenStuf insulation may not be suitable for all applications, as stipulated in the NZBC. Please consult a fire engineer when specifying GreenStuf insulation or contact your Autex account manager for further information.

## Chemical Free

GreenStuf is a low VOC product (only detectable levels of volatile organic compounds) which means it has been tested to ensure it won't emit toxins during or after install. Some insulation products available in New Zealand contain chemical bonding agents such as formaldehyde. Our thermal bonding process ensures GreenStuf is self-supporting in wall, ceiling, and floor applications without chemical bonding agents—and it won't break down over time.

All GreenStuf products are non-irritant and non-toxic. That means no itching, scratching, or ongoing health risks.

## BRANZ Appraised

GreenStuf has been fully and independently appraised by The Building Research Association of New Zealand (BRANZ) against the requirements of the New Zealand Building Code.

## Breathe Easy

GreenStuf insulation has been independently assessed by Asthma New Zealand and accepted into their Breathe Easy programme.

GreenStuf is recognised as a safe, non-toxic, non-allergenic insulation with no respiratory illness triggers.

## New Zealand Made

GreenStuf products are made in New Zealand by Autex Industries under ISO 14001 and ISO 9001 certified Environmental and Quality Management Systems. Completely recyclable and manufactured on a low energy, zero waste production line, GreenStuf is insulation for the future.

## Quality Management

Autex operates a testing laboratory on site to ensure that every batch of GreenStuf is of the highest quality and meets the required standards. Our specialists perform quality checks on every element, from the raw fibre to the final product. GreenStuf is also independently tested for quality and performance regularly. Backed by a 50 Year Durability Warranty, GreenStuf will not deteriorate, slump, or break down over time.

## Recycled & Recyclable

All GreenStuf insulation products are made from 100% polyester fibre, with a minimum of 50% recycled fibre. Every year we divert roughly 1000 tonnes of plastic from landfill—the equivalent of 36 million soda bottles. Our thermal bonding process allows GreenStuf insulation to also be recycled at the end of its life. Autex will gladly recycle used, uncontaminated GreenStuf to keep it out of landfill.

GreenStuf is delivered in LDPE plastic bags, chosen for their durability and ability to contain our vacuum-packed product. Any packaging waste generated within our manufacturing facilities is recycled into fence posts for use on New Zealand farms.

For more information on GreenStuf recycling, contact Autex on 0800 428 839.

## Zero Waste Manufacturing

At Autex we view waste as a resource with potential, not something to be disposed of. With this in mind we operate zero-waste production lines; all product trimmings and offcuts are reused, and all waste material is re-integrated back into production.

## Third-Party Certifications

The environmental sustainability of GreenStuf products is independently assessed and third-party verified by Global GreenTag. Each product achieves a GreenRate Gold certification, verifying that our supply chain, raw materials, and manufacturing practices meet the highest sustainability standards. GreenStuf contains no harmful chemicals and achieves 'Red List Free' status under the Declare programme, administered by the Living Future Building Institute. Autex is committed to quality and environmental best practice through our ISO 9001 & ISO 14001 certified Quality and Environmental Management Systems.

## GreenStuf® Insulation Life Cycle



# 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.

*Insulation conserves energy, increases comfort, and saves money by keeping hard earned heat inside your home.*

## 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.



# Insulating New Zealand 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.



Application	NZBC Minimum	GreenStuf® Product Solutions		
<b>Area 1 - North Island (excluding Central Plateau area)</b>		<b>Good</b>	<b>Better</b>	<b>Best</b>
Ceilings	R2.9	R3.2 Roll Form	R1.8 + R1.8 Double-Layer	R2.2 + R2.2 Double-Layer
External Walls	R1.9	R2.0 Wall Pad	R2.2 Wall Pad	R2.5 Wall Pad
Under Floors	R1.3	R1.5 Underfloor	R1.8 Underfloor	R1.8 Underfloor
Internal Walls	Nil	Nil	Sound Solution	Sound Solution
Between Floors	Nil	Nil	Sound Solution	Sound Solution
<b>Area 2 - South Island and Central Plateau area</b>		<b>Good</b>	<b>Better</b>	<b>Best</b>
Ceilings	R3.3	R3.4 Roll Form	R2.2 + R1.8 Double-Layer	R3.2 + R2.2 Double-Layer
External Walls	R2.0	R2.0 Wall Pad	R2.2 Wall Pad	R2.5 Wall Pad
Under Floors	R1.3	R1.5 Underfloor	R1.5 Underfloor	R1.8 Underfloor
Internal Walls	Nil	Nil	Sound Solution	Sound Solution
Between Floors	Nil	Nil	Sound Solution	Sound Solution

## 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.



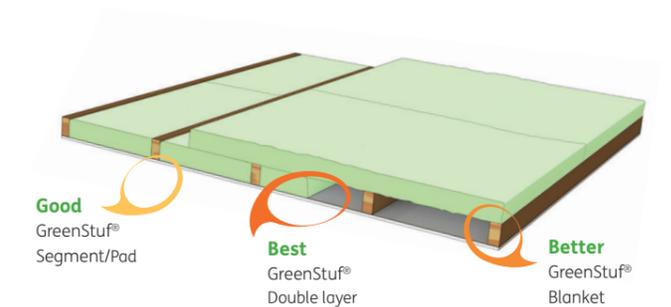
## Double-Layer Insulation is Best

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.



GreenStuf® Product Solutions		
Good	Better	Best
R3.2 Roll Form	R1.8 + R1.8 Double-Layer	R2.2 + R2.2 Double-Layer
R2.0 Wall Pad	R2.2 Wall Pad	R2.5 Wall Pad
R1.5 Underfloor	R1.8 Underfloor	R1.8 Underfloor
Nil	Sound Solution	Sound Solution
Nil	Sound Solution	Sound Solution
Good	Better	Best
R3.4 Roll Form	R2.2 + R1.8 Double-Layer	R3.2 + R2.2 Double-Layer
R2.0 Wall Pad	R2.2 Wall Pad	R2.5 Wall Pad
R1.5 Underfloor	R1.5 Underfloor	R1.8 Underfloor
Nil	Sound Solution	Sound Solution
Nil	Sound Solution	Sound Solution

# 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 a minimum of 45% 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.



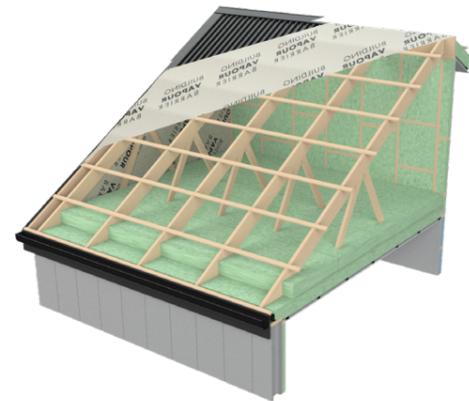


Technical  
Information

# Insulating Standard Construction Systems

## GreenStuf® Ceiling Pads and Roll Form

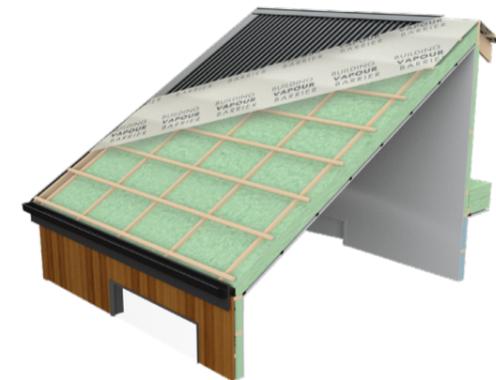
To reduce heat loss in your home, the ceiling is the most important place to insulate. GreenStuf Ceiling Pads are supplied as pre-cut segments ideal for placing between joists/trusses, and GreenStuf Roll Form products are ideal for rolling out between joists or trusses and as a blanket. Roll Form is 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.



Roof Construction: Pitched Timber-Framed Roof with 90-140mm Ceiling Joist or Chord. Cladding: Profiled Metal or Concrete/Clay Tiles.								
GreenStuf® Insulation	GreenStuf® Insulation R-Value							
GreenStuf®	2.9	3.2	3.4	3.6				
GreenStuf® Double Layer					3.5	3.8	4.2	5.2
Framing Timber Size	Total Construction R-Value							
Joist/Chord at 1200mm Centres	2.9	3.1	3.3	3.4	3.5	3.7	4.1	5.0
Joist/Chord at 900mm Centres	2.8	3.0	3.2	3.3	3.4	3.6	4.0	4.9
Joist/Chord at 600mm Centres	2.7	2.9	3.0	3.2	3.4	3.5	3.9	4.8

## GreenStuf® Skillion Roof Blanket

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.



Roof Construction: Skillion Roof with 190mm Rafters and Battens. Cladding: Profiled Metal or Concrete/Clay Tiles.				
GreenStuf® Insulation	GreenStuf® Insulation R-Value			
GreenStuf® Skillion Roof Blanket	2.9	3.2	3.4	3.6
Framing Timber Size	Total Construction R-Value			
Rafters at 1200mm Centres	3.1	3.4	3.5	3.7
Rafters at 900mm Centres	3.1	3.3	3.4	3.7
Rafters at 600mm Centres	3.0	3.2	3.4	3.6

## GreenStuf® Wall Options

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.

Wall Construction: Timber-Framed Cavity. Cladding: Bevel-Backed Weatherboard.					
GreenStuf® Insulation	GreenStuf® Insulation R-Value				
GreenStuf®	2.0	2.2	2.5	2.6	2.9
Framing Timber Size (90mm)	Total Construction R-Value				
Studs at 600mm and Dwargs at 800mm	1.9	2.1	2.2	-	-
Studs at 600mm and Dwargs at 600mm	1.9	2.0	2.1	-	-
Studs at 400mm and Dwargs at 800mm	1.9	2.0	2.0	-	-
Studs at 400mm and Dwargs at 600mm	1.8	1.9	2.0	-	-
Framing Timber Size (140mm)	Total Construction R-Value				
Studs at 600mm and Dwargs at 800mm	2.1	2.3	2.4	2.5	2.8
Studs at 600mm and Dwargs at 600mm	2.1	2.2	2.4	2.5	2.7
Studs at 400mm and Dwargs at 800mm	2.1	2.2	2.3	2.5	2.7
Studs at 400mm and Dwargs at 600mm	2.1	2.2	2.3	2.4	2.6

\*GreenStuf R2.9 Skillion Roof Blanket - 115mm Nominal Thickness



## GreenStuf® Masonry Wall Blanket

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.

Wall Construction: Strapped & Lined Concrete/Block.						
GreenStuf® Insulation	GreenStuf® Insulation R-Value					
GreenStuf® Masonry Wall Blanket	0.5	1.0	1.3	2.0	2.2	2.5
Block Size & Strapping (45mm Strapping)	Total Construction 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	-	-	-
Block Size & Strapping (90mm Strapping)	Total Construction R-Value					
250 Series with 90mm Studs at 600mm Centres and Dwargs at 1200mm	0.8	1.3	1.6	1.9	2.1	2.2
150 Series with 90mm Studs at 600mm Centres and Dwargs at 1200mm	0.8	1.2	1.5	1.9	2.0	2.1

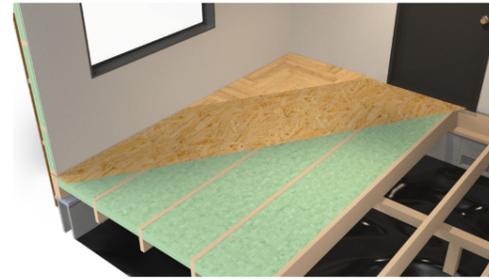


## GreenStuf® Underfloor

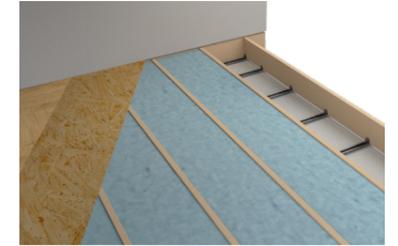
GreenStuf Underfloor is designed to provide thermal insulation under the exposed joist floors of new and existing timber-framed buildings. GreenStuf Underfloor reduces heat loss through floors and assists in reducing drafts caused by gaps in the floorboards.

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.

Floor Construction: Suspended Timber Floors (without lining) & Enclosed Sub-floor with Continuous Perimeter Wall.		
GreenStuf® Insulation	GreenStuf® R-Value	
GreenStuf® Underfloor	1.5	1.8
Framing Timber Size	Total Construction R-Value	
290mm Joists at 600mm Centres	1.9	2.1
290mm Joists at 400mm Centres	1.9	2.2
190mm Joists at 600mm Centres	1.8	2.1
190mm Joists at 400mm Centres	1.8	2.1
140mm Joists at 600mm Centres	1.8	2.1
140mm Joists at 400mm Centres	1.8	2.1



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



## Simple Steps for Controlling Noise in Your Home

- 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 that recessed downlights are minimised downstairs. Sound will easily travel through these acoustic weak points.

## STC Performance

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® Sound Solution Premium Acoustic Insulation

Mid-floor | Internal Walls

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

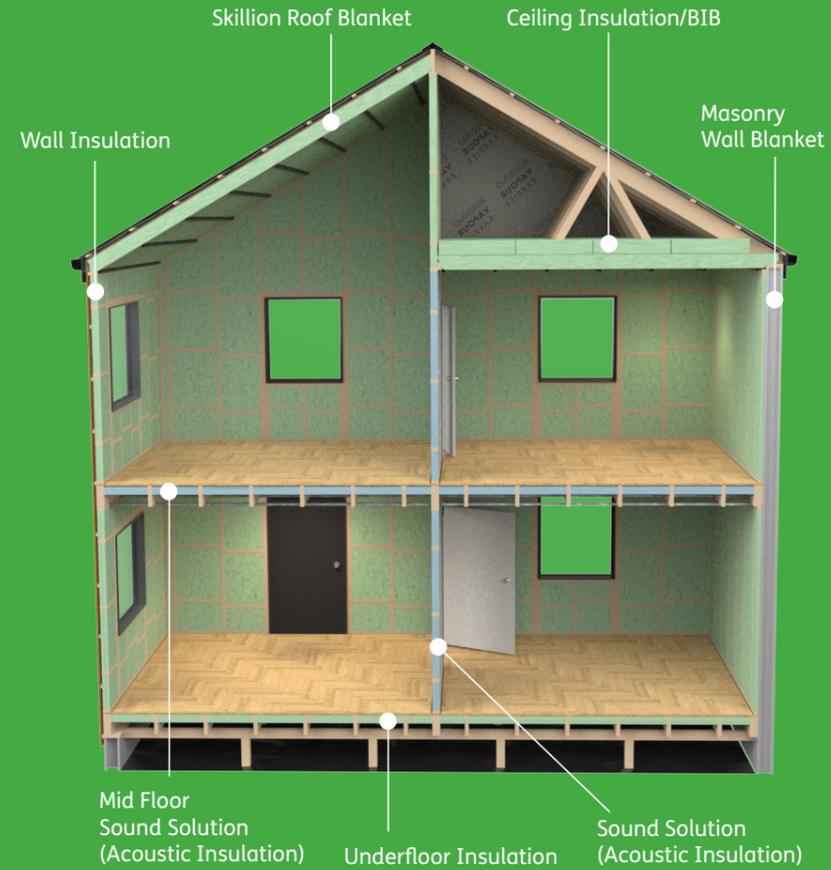
The Sound Transmission Class (STC) rating of a wall or floor construction relates to the noise level reduction of sound from one side to the other. An STC rating is the industry recognised assessment of the acoustic performance of a construction system. The higher the STC number, the better the acoustic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



# GreenStuf®

Thermal and Acoustic Insulation

www.greenstuf.co.nz | 0800 868 688 | cs@autex.co.nz



## GreenStuf. Skillion Roof Blanket

Product name	Product code	Thickness (mm)	Slab width	R-Value	m <sup>2</sup> /pack	Roll/Pads per pack
<b>R2.9 Skillion Roof Blanket</b> 4 x 870mm x 2.4l/m	PSR2987	115mm	870mm	R2.9	8.35	4
<b>R3.2 Skillion Roof Blanket</b> 4 x 870mm x 2.4l/m	PSR3287	165mm	870mm	R3.2	8.35	4
<b>R3.4 Skillion Roof Blanket</b> 4 x 870mm x 2.4l/m	PSR3487	165mm	870mm	R3.4	8.35	4
<b>R3.6 Skillion Roof Blanket</b> 4 x 870mm x 2.4l/m	PSR3687	165mm	870mm	R3.6	8.35	4

## GreenStuf. Thermal Building Insulation Blanket (BIB)

Product name	Product code	Thickness (mm)	Roll width	R-Value	m <sup>2</sup> /pack	Roll/Pads per pack
<b>R1.0 BIB</b> 1 x 1200mm x 16.67l/m	PIB10120*	45mm	1200mm	R1.0	20	1
<b>R1.5 BIB</b> 1 x 1200mm x 10.83l/m	PIB15120*	100mm	1200mm	R1.5	13	1
<b>R1.8 BIB</b> 1 x 1200mm x 10.83l/m	PIB18120*	100mm	1200mm	R1.8	13	1
<b>R2.2 BIB</b> 1 x 1200mm x 10.42l/m	PIB22120*	150mm	1200mm	R2.2	12.5	1
<b>R2.6 BIB</b> 1 x 1200mm x 7.5l/m	PIB26120*	140mm	1200mm	R2.6	9	1
<b>R3.2 BIB</b> 1 x 1200mm x 7.5l/m	PIB32120*	190mm	1200mm	R3.2	9	1
<b>R3.4 BIB</b> 1 x 1200mm x 6.67l/m	PIB34120*	200mm	1200mm	R3.4	8	1
<b>R4.1 BIB</b> 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 Autex on request. Other roll widths may be available on request. Minimum order quantity of 200m<sup>2</sup> per width (split) may apply. Please discuss your requirements with your Autex account manager, or contact Autex customer support.

## GreenStuf. Ceiling Insulation

Product name	Product code	Thickness (mm)	Roll width	R-Value	m <sup>2</sup> /pack	Roll/Pads per pack
<b>R2.9 Ceiling Pads</b> 13 x 430mm x 1.22l/m	PGFPC2913^+	175mm	430mm	R2.9	6.82	13
<b>R3.2 Ceiling Pads</b> 13 x 430mm x 1.22l/m	PGFPC3213^+	180mm	430mm	R3.2	6.82	13
<b>R3.4 Ceiling Pads</b> 10 x 430mm x 1.22l/m	PGFPC3410^+	190mm	430mm	R3.4	5.25	10
<b>R1.5 Roll Form</b> 2 x 870mm x 10.35l/m	PTL1587*	100mm	870mm	R1.5	18	2
<b>R1.8 Roll Form</b> 4 x 580mm x 10.78l/m	PTL1858^+	100mm	580mm	R1.8	25	4
<b>R1.8 Roll Form</b> 2 x 870mm x 14.37l/m	PTL1887+	100mm	870mm	R1.8	25	2
<b>R2.2 Roll Form</b> 4 x 580mm x 8.62l/m	PTL2258^+	150mm	580mm	R2.2	20	4
<b>R2.2 Roll Form</b> 2 x 870mm x 11.49l/m	PTL2287*	150mm	870mm	R2.2	20	2
<b>R2.4 Roll Form</b> 2 x 870mm x 8.62l/m	PTL2487*	140mm	870mm	R2.4	15	2
<b>R2.6 Roll Form</b> 4 x 580mm x 8.62l/m	PTL2658^+	140mm	580mm	R2.6	20	4
<b>R2.6 Roll Form</b> 2 x 870mm x 9.77l/m	PTL2687+	140mm	870mm	R2.6	17	2
<b>R2.9 Roll Form</b> 4 x 580mm x 7.33l/m	PTL2958^+	185mm	580mm	R2.9	17	4
<b>R2.9 Roll Form</b> 2 x 870mm x 9.77l/m	PTL2987+	185mm	870mm	R2.9	17	2
<b>R3.2 Roll Form</b> 4 x 580mm x 7.33l/m	PTL3258^+	190mm	580mm	R3.2	17	4
<b>R3.2 Roll Form</b> 2 x 870mm x 9.77l/m	PTL3287+	190mm	870mm	R3.2	17	2
<b>R3.4 Roll Form</b> 4 x 580mm x 7.33l/m	PTL3458^+	200mm	580mm	R3.4	17	4
<b>R3.4 Roll Form</b> 2 x 870mm x 7.47l/m	PTL3487+	200mm	870mm	R3.4	13	2
<b>R3.6 Roll Form</b> 4 x 580mm x 7.33l/m	PTL3658^+	210mm	580mm	R3.6	17	4
<b>R3.6 Roll Form</b> 2 x 870mm x 8.05l/m	PTL3687+	210mm	870mm	R3.6	14	2
<b>R4.1 Roll Form</b> 2 x 870mm x 5.00l/m	PTL4187*	210mm	870mm	R4.1	8.7	2

## GreenStuf. Underfloor Insulation

Product name	Product code	Thickness (mm)	Roll width	R-Value	m <sup>2</sup> /pack	Roll/Pads per pack
<b>R1.5 Blanket Underfloor</b> 5 x 450mm x 8.90l/m	PUFA1545^+	100mm	450mm	R1.5	20	5
<b>R1.5 Blanket Underfloor</b> 4 x 500mm x 10l/m	PUFA1550^+	100mm	500mm	R1.5	20	4
<b>R1.5 Blanket Underfloor</b> 4 x 600mm x 8.34l/m	PUFA1560^+	100mm	600mm	R1.5	20	4
<b>R1.8 Blanket Underfloor</b> 5 x 450mm x 7.78l/m	PUFA1845^+	100mm	450mm	R1.8	17.5	5
<b>R1.8 Blanket Underfloor</b> 4 x 500mm x 8.75l/m	PUFA1850^+	100mm	500mm	R1.8	17.5	4
<b>R1.8 Blanket Underfloor</b> 4 x 600mm x 7.29l/m	PUFA1860^+	100mm	600mm	R1.8	17.5	4

## GreenStuf. Autex Soffit Liner (ASL)

Product name	Product code	Thickness (mm)	Slabs per pack	R-Value	m <sup>2</sup> /pack	Roll/Pads per pack
<b>ASL R1.7 Unlaminated</b> 4 x 1.2m x 2.4m	PSL160075S*	75mm	4	R1.7	11.52	4
<b>ASL R1.7 Foil Finish</b> 4 x 1.2m x 2.4m	PSL171224*	75mm	4	R1.7	11.52	4
<b>ASL R1.7 Black Finish</b> 4 x 1.2m x 2.4m	PSL171224BF*	75mm	4	R1.7	11.52	4
<b>ASL R2.1 Unlaminated</b> 3 x 1.2m x 2.4m	PSL220090S*	90mm	3	R2.1	8.64	3
<b>ASL R2.1 Foil Finish</b> 3 x 1.2m x 2.4m	PSL211224*	90mm	3	R2.1	8.64	3
<b>ASL R2.1 Black Finish</b> 3 x 1.2m x 2.4m	PSL211224BF*	90mm	3	R2.1	8.64	3
<b>ASL R3.0 Unlaminated</b> 2 x 1.2m x 2.4m	PSL2400140S*	140mm	2	R3.0	5.76	2

## GreenStuf. Sound Solution® (Acoustic Insulation)

Product name	Product code	Thickness (mm)	Density	Weight	m <sup>2</sup> /pack	Roll/Pads per pack
<b>Sound Solution Pads</b> 17 x 580mm x 1.16l/m	PQSS43+	90mm	12.2kg/m <sup>3</sup>	1100gsm	11.4	17
<b>Sound Solution Roll Form</b> 5 x 430mm x 11.63l/m	PQSSR43	90mm	12.2kg/m <sup>3</sup>	1100gsm	25	5
<b>Sound Solution Roll Form</b> 4 x 580mm x 10.78l/m	PQSSR58+	90mm	12.2kg/m <sup>3</sup>	1100gsm	25	4
<b>Sound Solution IT Roll Form</b> 4 x 560mm x 8.04l/m	PQSSIT56+	90mm	14.7kg/m <sup>3</sup>	1325gsm	18	4

## GreenStuf. Acoustic Sound Blanket (ASB)

Product name	Product code	Thickness (mm)	Roll width	Density	Weight	m <sup>2</sup> /pack	Roll/Pads per pack
<b>ASB 3</b> 2 x 600mm x 16.5l/m	PSB360+	50mm	600mm	14.7kg/m <sup>3</sup>	735gsm	19.8	2
<b>ASB 4</b> 2 x 600mm x 11.1l/m	PSB460+	60mm	600mm	12.5kg/m <sup>3</sup>	750gsm	13.3	2
<b>ASB 5</b> 2 X 600mm x 11.1l/m	PSB560+	70mm	600mm	12.9kg/m <sup>3</sup>	900gsm	13.3	2
<b>ASB 6</b> 2 x 600mm x 11.1l/m	PSB660+	70mm	600mm	14.7kg/m <sup>3</sup>	1105gsm	13.3	2
<b>ASB 7</b> 2 x 600mm x 11.1l/m	PSB760+	120mm	600mm	14kg/m <sup>3</sup>	1680gsm	13.3	2

## GreenStuf. Baffleblock™ (Acoustic Insulation)

Product name	Product code	Thickness (mm)	Roll width	Density	Weight	m <sup>2</sup> /pack	Roll/Pads per pack
<b>Baffleblock</b> 2 x 600mm x 8.33l/m	PQBB60+	100mm	600mm	10kg/m <sup>3</sup>	1000gsm	10	2

## GreenStuf. Autex Acoustic Blanket (AAB)

Product name	Product code	Thickness (mm)	Slabs width	Density	Weight	m <sup>2</sup> /pack	Slabs per pack
<b>AAB 14-25 White Roll</b> 1 x 1.2m x 25m	PAB0353R*	25mm	1200mm	14kg/m <sup>3</sup>	350gsm	30	1
<b>AAB 14-25 Black Roll</b> 1 x 1.2m x 25m	PAB0353B*	25mm	1200mm	14kg/m <sup>3</sup>	350gsm	30	1
<b>AAB 14-25 Grey Roll</b> 1 x 1.2m x 25m	PAB0353SG*	25mm	1200mm	14kg/m <sup>3</sup>	350gsm	30	1
<b>AAB 25-25 White Slab</b> 10 x 1.2m x 2.4m	PAB625S*	25mm	1200mm	25kg/m <sup>3</sup>	625gsm	28.8	10
<b>AAB 25-25 Black Slab</b> 10 x 1.2m x 2.4m	PAB625SB*	25mm	1200mm	25kg/m <sup>3</sup>	625gsm	28.8	10
<b>AAB 25-25 Grey Slab</b> 10 x 1.2m x 2.4m	PAB625SG*	25mm	1200mm	25kg/m <sup>3</sup>	625gsm	28.8	10
<b>AAB 35-25 White Slab</b> 10 x 1.2m x 2.4m	PAB875S*	25mm	1200mm	35kg/m <sup>3</sup>	875gsm	28.8	10
<b>AAB 35-25 Black Slab</b> 10 x 1.2m x 2.4m	PAB875SB*	25mm	1200mm	35kg/m <sup>3</sup>	875gsm	28.8	10
<b>AAB 35-25 Grey Slab</b> 10 x 1.2m x 2.4m	PAB875SG*	25mm	1200mm	35kg/m <sup>3</sup>	875gsm	28.8	10
<b>AAB 48-25 White Slab</b> 10 x 1.2m x 2.4m	PAB1200S*	25mm	1200mm	48kg/m <sup>3</sup>	1200gsm	28.8	10
<b>AAB 48-25 Black Slab</b> 10 x 1.2m x 2.4m	PAB1200SB*	25mm	1200mm	48kg/m <sup>3</sup>	1200gsm	28.8	10
<b>AAB 48-25 Grey Slab</b> 10 x 1.2m x 2.4m	PAB1200SG*	25mm	1200mm	48kg/m <sup>3</sup>	1200gsm	28.8	10
<b>AAB 14-50 White Slab</b> 5 x 1.2m x 2.4m	PAB701S*	50mm	1200mm	14kg/m <sup>3</sup>	700gsm	14.4	5
<b>AAB 14-50 Black Slab</b> 5 x 1.2m x 2.4m	PAB701SB*	50mm	1200mm	14kg/m <sup>3</sup>	700gsm	14.4	5
<b>AAB 14-50 Grey Slab</b> 5 x 1.2m x 2.4m	PAB701SG*	50mm	1200mm	14kg/m <sup>3</sup>	700gsm	14.4	5
<b>AAB 35-50 White Slab</b> 5 x 1.2m x 2.4m	PAB1750S*	50mm	1200mm	35kg/m <sup>3</sup>	1750gsm	14.4	5
<b>AAB 35-50 Black Slab</b> 5 x 1.2m x 2.4m	PAB1750SB*	50mm	1200mm	35kg/m <sup>3</sup>	1750gsm	14.4	5
<b>AAB 35-50 Grey Slab</b> 5 x 1.2m x 2.4m	PAB1750SG*	50mm	1200mm	35kg/m <sup>3</sup>	1750gsm	14.4	5
<b>AAB 48-50 White Slab</b> 5 x 1.2m x 2.4m	PAB2401S*	50mm	1200mm	48kg/m <sup>3</sup>	2400gsm	14.4	5
<b>AAB 48-50 Black Slab</b> 5 x 1.2m x 2.4m	PAB2401SB*	50mm	1200mm	48kg/m <sup>3</sup>	2400gsm	14.4	5
<b>AAB 48-50 Grey Slab</b> 5 x 1.2m x 2.4m	PAB2401SG*	50mm	1200mm	48kg/m <sup>3</sup>	2400gsm	14.4	5
<b>AAB 20-75 White Slab</b> 3 x 1.2m x 2.4m	PAB1503S*	75mm	1200mm	20kg/m <sup>3</sup>	1500gsm	8.64	3
<b>AAB 20-75 Black Slab</b> 3 x 1.2m x 2.4m	PAB1503SB*	75mm	1200mm	20kg/m <sup>3</sup>	1500gsm	8.64	3
<b>AAB 20-75 Grey Slab</b> 3 x 1.2m x 2.4m	PAB1503SG*	75mm	1200mm	20kg/m <sup>3</sup>	1500gsm	8.64	3
<b>AAB 35-75 White Slab</b> 3 x 1.2m x 2.4m	PAB2600S*	75mm	1200mm	35kg/m <sup>3</sup>	2625gsm	8.64	3
<b>AAB 35-75 Black Slab</b> 3 x 1.2m x 2.4m	PAB2600SB*	75mm	1200mm	35kg/m <sup>3</sup>	2625gsm	8.64	3
<b>AAB 35-75 Grey Slab</b> 3 x 1.2m x 2.4m	PAB2600SG*	75mm	1200mm	35kg/m <sup>3</sup>	2625gsm	8.64	3
<b>AAB 48-75 White Slab</b> 3 x 1.2m x 2.4m	PAB3600S*	75mm	1200mm	48kg/m <sup>3</sup>	3600gsm	8.64	3
<b>AAB 48-75 Black Slab</b> 3 x 1.2m x 2.4m	PAB3600SB*	75mm	1200mm	48kg/m <sup>3</sup>	3600gsm	8.64	3
<b>AAB 48-75 Grey Slab</b> 3 x 1.2m x 2.4m	PAB3600SG*	75mm	1200mm	48kg/m <sup>3</sup>	3600gsm	8.64	3
<b>AAB 20-100 White Slab</b> 2 x 1.2m x 2.4m	PAB2000S*	100mm	1200mm	20kg/m <sup>3</sup>	2000gsm	5.76	2
<b>AAB 20-100 Black Slab</b> 2 x 1.2m x 2.4m	PAB2000SB*	100mm	1200mm	20kg/m <sup>3</sup>	2000gsm	5.76	2
<b>AAB 20-100 Grey Slab</b> 2 x 1.2m x 2.4m	PAB2000SG*	100mm	1200mm	20kg/m <sup>3</sup>	2000gsm	5.76	2
<b>AAB 40-100 White Slab</b> 2 x 1.2m x 2.4m	PAB4000S*	100mm	1200mm	40kg/m <sup>3</sup>	4000gsm	5.76	2
<b>AAB 40-100 Black Slab</b> 2 x 1.2m x 2.4m	PAB4000SB*	100mm	1200mm	40kg/m <sup>3</sup>	4000gsm	5.76	2
<b>AAB 40-100 Grey Slab</b> 2 x 1.2m x 2.4m	PAB4000SG*	100mm	1200mm	40kg/m <sup>3</sup>	4000gsm	5.76	2
<b>AAB 48-100 White Slab</b> 2 x 1.2m x 2.4m	PAB4800S*	100mm	1200mm	48kg/m <sup>3</sup>	4800gsm	5.76	2
<b>AAB 48-100 Black Slab</b> 2 x 1.2m x 2.4m	PAB4800SB*	100mm	1200mm	48kg/m <sup>3</sup>	4800gsm	5.76	2
<b>AAB 48-100 Grey Slab</b> 2 x 1.2m x 2.4m	PAB4800SG*	100mm	1200mm	48kg/m <sup>3</sup>	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 Autex account manager, or contact Autex customer support. Standard slab size 2400mm x 1200mm. Other sizes may be available on request. Cutting surcharges and MOQ's may apply.

\* MOQ OF 200M<sup>2</sup> MAY APPLY ^ BRANZ APPRAISED PRODUCT + STOCKED





# GreenStuf®

AN ISO 9001 AND ISO 14001 CERTIFIED COMPANY

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