

THERMAL AND ACOUSTIC WOOL INSULATION

GreenStuf[®] Wool Insulation uses wool purchased from New Zealand farmers. The wool range comes in pad or roll form and includes both thermal and acoustic products of different densities and thicknesses.

APPLICATIONS

GreenStuf Wool Insulation comes in roll form and pads and can be used in internal and external walls as well as ceilings and midfloor cavities.

To ensure Building Code compliance, architects and building designers are advised to consult an engineer or the relevant NZ standards before specifying thermal and acoustic insulation products.

For information and assistance please contact your GreenStuf account manager.

TECHNICAL

NZBC Compliance: When installed in accordance with the manufacturer's instructions, GreenStuf Wool Insulation will satisfy the 50 year durability clause NZBC B2.3.1 (a). GreenStuf meets the relevant clauses of NZBC E3 Internal Moisture, F2 Hazardous Building Materials, and will contribute to meeting H1 Energy Efficiency.

Fire Regulations: GreenStuf Wool Insulation may not be suitable for all applications, as stipulated in the NZBC. Please consult a fire engineer when specifying GreenStuf Wool Insulation or contact your GreenStuf account manager for further information.

Acoustic Performance: GreenStuf Wool Insulation will assist sound reduction by reducing the resonating noise inside the construction cavity.

Hazardous Building Materials: GreenStuf is non-hazardous.

Durability: GreenStuf Wool has a 50 Year Durability Warranty.

Non-Toxic, Non-Allergenic, Non-Irritant: There are no known hazards with the use or handling of GreenStuf Wool Insulation.

Vermin: Greenstuf Wool Insulation is insect resistant in accordance with Woolmark Specification CP-4.

Installation: GreenStuf recommends that all thermal and acoustic insulation be installed in accordance with the manufacturer's instructions (included on each GreenStuf Thermal Pads pack) and NZS 4246 Energy Efficiency - Installing Bulk Insulation in Residential Buildings.

With a drained cavity wall construction and stud spacings greater than 450mm, NZBC E2/AS1, 9.1.8.5 Wall Framing behind Cavities, requires stud straps to prevent insulation bulging into the cavity. Straps must be run at 300mm centres over the wall underlay.

When retrofitting in exterior walls (without wall underlay) with direct-fixed claddings, use semi-rigid insulation that is at least 20mm thinner than the framing width (e.g. for walls with 90mm framing, the insulation shall be no thicker than 70mm).

MSDS: Material Safety Data Sheets (MSDS) are available on request from your GreenStuf account manager or can be downloaded from our website greenstuf.co.nz

Specification & Substitution: GreenStuf specification documents are available through Masterspec or can be downloaded from our website greenstuf.co.nz. Substitution of any products in NZBC compliant systems should not be accepted and we recommend this be made clear in all specification and tender documents.

ISO Standards: GreenStuf is committed to Occupational Health and Safety, Quality and Environmental best practice through our ISO 45001, ISO 9001 and ISO 14001 certified management systems.



Takeback Programme: GreenStuf is recyclable. We will gladly recycle used wool insulation site waste, including offcuts and packaging, to help keep it out of landfills. Please ensure used wool insulation and offcuts are in a general state of cleanliness in line with standard site conditions. Excessive contamination, such as metal and cement, will not be accepted. Please contact your account manager to request a Material Diversion Certificate prior to dropping insulation off. For more information on recycling GreenStuf, contact us on 0800 428 839.

Environmental Information: GreenStuf Wool Insulation is 50% NZ wool, 50% PET (82% recycled content), and recyclable at end of life.

Packaging Recycling: GreenStuf packaging is recyclable LDPE 4. Please refer to your local recycling centres for drop off and collection services.

PRODUCT	THICKNESS	WEIGHT	DENSITY	R-VALUE	PACK DESCRIPTION	PACK SIZE (M ²)
Autex Sound Blanket (ASB)	75mm	1100gsm	14.7kg/m ³	R1.6	Wool Acoustic Blanket 2 x 0.60m x 11.1l/m = 13.3m ²	13.3

PRODUCT	THICKNESS	WEIGHT	DENSITY	R-VALUE	PACK DESCRIPTION	PACK SIZE (M ²)
Wall	45mm	1200gsm	26.7kg/m ³	R1.2	Wool Roll Form 4 x 0.58m x 10l/m = 23.2m ²	23.2
Wall	90mm	1850gsm	20.6kg/m ³	R2.2	Wool Wall Pads 18 x 0.56m x 1.16l/m = 11.69m ²	11.7
Wall	90mm	2350gsm	26.1kg/m ³	R2.4	Wool Wall Pads 10 x 0.56m x 1.16l/m = 6.5m ²	6.5
Wall/Ceiling	140mm	1500gsm	10.7kg/m ³	R2.6	Wool Roll Form 2 x 0.58m x 8.62l/m = 20m ²	20.0
Wall/Ceiling	140mm	2550gsm	18.2kg/m ³	R3.2	Wool Roll Form 2 x 0.58m x 8.62l/m = 20m ²	20.0
Wall/Ceiling	140mm	2750gsm	19.6kg/m ³	R3.3	Wool Roll Form 2 x 0.87m x 6l/m = 10.44m ²	10.4
Roll	190mm	1800gsm	9.5kg/m ³	R3.3	Wool Roll Form 2 x 0.87m x 8.05l/m = 14m ²	14.0
Roll	190mm	2100gsm	11.1kg/m ³	R3.6	Wool Roll Form 2 x 0.87m x 8.05l/m = 14m ²	14.0
Roll	210mm	2600gsm	12.4kg/m ³	R4.2	Wool Roll Form 2 x .87m x 5l/m = 8.7m ²	8.7



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

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