

Autex Insulation Data Sheet



Quality 100% Polyester Thermal Insulation for Ceilings, Walls, Between Floors and Underfloors

GreenStuf® is a thermally bonded insulation manufactured from 100% polyester fibre. There are no additives or other components used in the process. GreenStuf® insulation is non-irritant, user-friendly, thermally efficient polyester insulation for residential and commercial applications.

GreenStuf® is supplied as a lofted green tinted insulation product.



Features and Benefits

- User-friendly - no protective clothing required
- Non-irritant, non-toxic, non-allergenic
- Fire safe - fully complies with the Building Code of Australia (BCA)
- Easy installation - can be torn straight across its width
- Long term stability and performance, 50+ years rating
- Available in a range of thermal values
- Excellent acoustic properties

Applications

- GreenStuf® is designed for use as a safe and efficient thermal insulation for residential and commercial buildings.
 - Ceilings
 - External Walls
 - Between Floors
 - Underfloor

| Product (R Value) | Nominal Thickness (mm) | Width (mm) | Batts per Pack | m ² per Pack | Coverage per Pack (m ²) |
|-------------------|------------------------|------------|----------------|-------------------------|-------------------------------------|
| GreenStuf® R1.5 | 100 | 430 | 16 | 8.0 | 9.2 |
| GreenStuf® R1.5 | 100 | 580 | 16 | 10.8 | 12.4 |
| GreenStuf® R2.0 | 120 | 430 | 12 | 6.0 | 6.9 |
| GreenStuf® R2.0 | 120 | 580 | 12 | 8.1 | 9.3 |
| GreenStuf® R2.5 | 155 | 430 | 8 | 4.0 | 4.6 |
| GreenStuf® R2.5 | 155 | 580 | 8 | 5.4 | 6.2 |
| GreenStuf® R3.0 | 170 | 430 | 8 | 4.0 | 4.6 |
| GreenStuf® R3.0 | 170 | 580 | 8 | 5.4 | 6.2 |
| GreenStuf® R3.5 | 190 | 430 | 8 | 4.0 | 4.6 |
| GreenStuf® R3.5 | 190 | 580 | 8 | 5.4 | 6.2 |

NB: Batt length = 1160mm. Coverage is nominal and will vary due to types of framing.

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Code Compliant

GreenStuf® products fully comply with the requirements of AS/NZS 4859.1 standard for insulation and the requirements for insulation as per the Building Code of Australia.

Fire Results

GreenStuf® is a self extinguishing product and conforms to all the requirements of the Building Code of Australia (BCA), as tested to AS1530 Part 3, results as follows:

| | | | |
|------------------------------|---|------------------------------|---|
| Ignitability (Index 0-20) | 0 | Heat Evolved (Index 0-10) | 0 |
| Spread of Flame (Index 0-10) | 0 | Smoke Developed (Index 0-10) | 3 |

General Information

Acoustic Performance: GreenStuf® insulation will perform as an acoustic material in a construction system, by providing a sound absorbing factor in the construction cavity. Typical improvement in sound transmission (STC) through a wall is 6-8 points on the STC of the construction system without insulation eg; STC 35 + 6 = 41 STC.

Corrosiveness: When tested in accordance with NZS4222, GreenStuf® insulation is classified as non-corrosive. The pH of GreenStuf® is 7.8 (a pH of 7 is neutral).

Durability: GreenStuf® insulation will not sag or lose its loft or bulk over time. This design characteristic ensures full performance is maintained (50+ years durability).

Composition: Organic, long chain synthetic polymer. Composed of Carbon-Hydrogen Oxygen.

Maximum Service Temperature: 160°C

Vermin Resistance: GreenStuf® is resistant to insect and rodent attack.

Moisture: GreenStuf® insulation is not affected by moisture. Exposure to an atmosphere of 50°C at 90% relative humidity for four days, shows moisture absorption by weight of less than 0.03%. Should the product become wet, full thermal performance is restored upon drying out.

Environmental: GreenStuf® is fully recyclable, uses recycled polyesters in its production and does not use landfill space.

Total R-Values: Information on Total R-Values as described within the Building Code of Australia are available upon request.

Product Densities: GreenStuf® products are approximately > 8 kg/m³ over the thermal range.

Installation: Installation instructions come with all product packs. Separate installing instructions are available on request.

Material Safety Data Sheet (MSDS): Available on request.

General: Autex Pty Ltd retains the right to change products and specifications without prior notice. If a specification is critical to the end user, please contact Autex.

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**Safe & Sound
Insulation**

AUTEX PTY. LTD

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