

POLYESTER INSULATION MATERIAL SAFETY DATA SHEET

PRODUCT NAMES

GreenStuf® 100% polyester fibre thermal and acoustic insulation.

TRADE NAMES

GreenStuf® Wall Pad
GreenStuf® Wall Blanket
GreenStuf® Ceiling Pad
GreenStuf® Ceiling Roll
GreenStuf® Building Insulation Blanket (BIB)
GreenStuf® Masonry Wall Blanket
GreenStuf® Underfloor
GreenStuf® Sound Solution®
GreenStuf® Autex Sound Blanket (ASB)
GreenStuf® BaffleBlock™
GreenStuf® Autex Acoustic Blanket (AAB)
GreenStuf® Car Park and Acoustic Soffit Liner (ASL)
GreenStuf® Garage Door Insulation
GreenStuf® Autex Duct Wrap (ADW)
GreenStuf® Autex Rigid Duct Liner (ARD)

INTENDED PRODUCT USES

Thermal and acoustic insulation of buildings and original equipment.

MANUFACTURER

Greenstuf Insulation
40 Westpoint Drive,
Hobsonville 0618, Auckland
Ph (09) 828 9179
Freephone 0800 428 839

HAZARDS IDENTIFICATION

GreenStuf products are considered as non-hazardous and non-dangerous goods.

INDOOR ENVIRONMENT QUALITY (IEQ)/VOC EMISSIONS

GreenStuf polyester well exceeds the current leading world standards established by the New Zealand Green Building Council (NZGBC) and GREENGUARD for VOC emissions.

The VOC emission limits specified in GREENGUARD standards are based on the recommended maximum exposure for airborne volatile organic chemical levels established by the US National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) and the World Health Organisation (WHO).

GreenStuf polyester has been tested by Cetec Pty Ltd (Report: RCV080408) for chemical emission as follows:
VOC concentration: 0.01 mg/m³ (7days)
GREENGUARD VOC Limit: 0.25 mg/m³ (7days).

INFORMATION ON INGREDIENTS

GreenStuf products are manufactured using only 100% polyester fibres. Fibres are bonded using heat (thermal bonding) to form the structural integrity of the finished material without the need for chemical binders. Some GreenStuf products are supplied with a fabric or foil facing.



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES: POLYESTER FIBRE FROM PET (POLYETHYLENE TEREPHTHALATE)		PHYSICAL AND CHEMICAL PROPERTIES: POLYESTER FIBRE FROM PET (POLYETHYLENE TEREPHTHALATE)	
Odour	No Odour	Ignition temperature	485°C
pH	7.8 (pH 7 being neutral)	Explosive limits	N/A
Boiling Point	N/A	Solubility in water	Not soluble
Melting Point	250°C	Moisture Absorption	less than 0.03% by weight
Max. Recommended Service Temp	80°C	Relative Vapour Density	N/A
Vapour Pressure	N/A	Per Cent Volatiles	Nil
Specific Gravity	Polyester 1.38	Corrosiveness	Non-corrosive

CHEMICAL STABILITY AND REACTIVITY

GreenStuf products are chemically stable. Hazardous reactions will not occur under normal conditions of use and storage. Avoid contact with strong acids, strong bases, or oxidising agents.

ENVIRONMENTAL INFORMATION

GreenStuf products are made from 100% polyester fibres and contain as much as 85% recycled polyester fibre (from PET bottle flake). For specific recycled content percentages, please refer to the data sheets of each individual product.

All Autex Insulation products are manufactured under Autex's ISO 14001 certified Environmental Management System (EMS) which incorporates Waste Reduction, Energy Efficiency, Sustainable Purchasing, and a Zero Waste Initiative where all insulation manufacturing off-cuts and waste is recycled back into the production process where possible.

DISPOSAL CONSIDERATIONS

GreenStuf is recyclable. Used, uncontaminated GreenStuf products may be taken to Autex for recycling to help keep it out of landfills.

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

HEALTH EFFECTS/PERSONAL PROTECTION

There are no known health hazards relating to the use or handling of GreenStuf or other forms of thermally bonded 100% polyester insulation produced by Autex. No protective clothing is required when handling or installing Autex insulation. Any free fibres which may be present are not of respirable size.

Caution should be taken when cutting GreenStuf products. Use of personal protective equipment such as cut resistant gloves and safety glasses is advised. Follow GreenStuf's Product Install Instructions, as well as site and individual safe working practices and requirements.

No first aid measures are expected under normal conditions of use, handling, and installation of GreenStuf products. If exposed to fumes from combustion of GreenStuf products, move to fresh air and seek medical attention when symptoms persist. If a substantial portion of the product is accidentally ingested, do not induce vomiting and immediately seek medical attention.

FIRE RATINGS

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2

FAR 4045 (Assessment applicable to GreenStuf products with surface density up to 4800g/m²)

IEC 60695-11-5 (Downlight Fire Test Standard)

GreenStuf polyester has been tested and assessed as complying with IEC 60695-11-5 Needle-flame Test.

STORAGE AND TRANSPORT

Packaging as recommended by the manufacturer. Keep dry and clean. GreenStuf is not classified as dangerous goods. No special transport or storage requirements are necessary.

UN Number: N/A

Class: N/A

Hazchem Code: N/A

ZERO ODS

GreenStuf Insulation products manufactured from 100% polyester fibre contain no Ozone Depleting Substances (ODS) listed under the Montreal Protocol.

This MSDS was correct at the time it was prepared (see below for the date). Autex Industries, as part of its ISO 9001 certified Quality Management System, updates MSDS's when its ongoing review process indicates a need for a change to be made. You should make sure that the MSDS you are reading and relying on is current. You can do this by contacting Autex Customer Services on free phone 0800 428 839, or by visiting our website autex.co.nz

GreenStuf® is manufactured in New Zealand by Autex Industries Limited. Autex retains the right to change products and specifications without prior notice. If a specification is critical to end use situation please discuss your requirements with your Autex Representative.

GreenStuf® is a registered trademark of Autex Industries.



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