

GreenStuf®

ECO WRAP®

GreenStuf® Eco Wrap® is a 100% polyester thermal insulation wrap designed for insulating electric hot water cylinders. GreenStuf Eco Wrap is supplied ready to fit and has a thermal performance rating of R1.2.

APPLICATIONS

GreenStuf Eco Wrap is designed to be retro-fitted to older domestic hot water cylinders. If heat can be felt on the outside of an electric hot water cylinder it is losing energy and benefit can be gained from installing an Eco Wrap.

GreenStuf Eco Wrap can also be used as a thermal pipe wrap for insulating hot water pipes. Pipes wrapped in Eco Wrap will hold heat longer and reduce heat loss.

GreenStuf Eco Wrap should be installed in accordance with the manufacturer's instructions (included in each pack) and NZS 4246 Energy Efficiency – Installing Insulation in Residential Buildings.

To ensure New Zealand Building Code (NZBC) 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 Autex account manager.

PACK CONTENTS

GreenStuf Eco Wrap comes complete and ready for simple installation. Each pack contains one Eco Wrap hot water cylinder wrap (3 metres x 1200mm wide + 150mm foil overlap), one roll of foil tape and Installation Instructions for fitting to electric cylinders and hot water pipes.

TECHNICAL

NZBC Compliance: When installed in accordance with the manufacturer's instructions, GreenStuf 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.

Fire Regulations: 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.

Thermal Performance: GreenStuf Eco Wrap insulation has been laboratory tested to ASTM C518-04 for thermal performance as follows:

Material Thermal Resistance: 1.2 m² K/W @ 15°C

Product R-value: R1.2 @ 50mm

All products are guaranteed by Autex to meet stated thermal performance values.



Declare.



Durability: GreenStuf has a 50 Year Durability Warranty.

Moisture: GreenStuf is not affected by moisture. Exposure to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption by weight of less than 0.03%.

Hazardous Building Materials: GreenStuf is non-hazardous.

VOC Emission Safe:

VOC concentration: 0.01 mg/m³ (7 days).

GECA/GreenGuard Limit: 0.25 mg/m³ (7 days).

Cetec Pty Ltd (Report: RCV080408)

Non-Corrosive: GreenStuf polyester is considered non-corrosive based on AS/NZS 4859.1 Standard for insulation

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

Fire ratings:

ISO 9705: 1993

Classification: Group 1-5

Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2

FI 5550 issued 20th August, 2014. (Test conducted on E-Foil faced GreenStuf® Polyester).

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

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

PRODUCT (R-value)	NOMINAL THICKNESS (mm)	PACK SIZE	m ² /PACK
R1.2 Eco Wrap	50mm	1,200mm wide x 3.0m long	3.6m ²

Environmental: All GreenStuf products are manufactured using 100% polyester fibre and contain a minimum of 50% previously recycled fibre (from PET plastic). GreenStuf products are manufactured under Autex's Zero Waste Programme where all manufacturing waste is recycled back into the production process.

GreenStuf is also Declare certified to be Red List chemical free and can be used in Living Building Challenge projects. For more information, please contact your Autex account manager, or can be downloaded from our website www.greenstuf.co.nz

ISO Standards: Autex is committed to Quality and Environmental best practice through our ISO 9001 & ISO 14001 certified Quality and Environmental Management Systems.

AUTEX

Insulation

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GreenStuf is manufactured in New Zealand by Autex Insulation, a division of 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 account manager.

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