



## ASL - Soffit & Slab Liner

GreenStuf® ASL Soffit and Slab Liner is manufactured from thermally bonded polyester with a fire compliant e-foil laminate facing on one side.

### Applications

GreenStuf® ASL Soffit and Slab Liner has been designed as an acoustic and thermal lining for all types of Concrete Soffits and Slab Linings. Its high durability rating means it is guaranteed for up to 50 years and is also vermin and insect proof.

### Technical

**NZBC Compliance:** GreenStuf® insulation when installed in accordance with the manufacturer's instructions will satisfy the 50 year durability clause NZBC B2.3.1 (a). GreenStuf® meets the relevant clauses of NZBC C3.4(a) Prevention of Fire, F2 Hazardous Building Materials, and may contribute to meeting H1 Energy Efficiency, and G6 Acoustic Design requirements.

**Non Flammable:** GreenStuf® is classified as non-flammable.

#### Fire ratings:

GreenStuf® ASL products are fully compliant with NZBC fire requirements as detailed in NZBC Verification Method C/VM2.

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m<sup>2</sup>/s

As required by NZBC C/VM2

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

GreenStuf® has been tested and certified non-flammable and complies with the fire hazard requirements of IEC 60695-11-5

#### Thermal Performance:

GreenStuf® ASL declared thermal performance ratings have been laboratory tested to ASTM C518-04.

**Sizes:** Sheet size: 1200mm x 2270mm (+/- 10mm). Special sizes on application, subject to minimum order quantities

**Biological Resistance:** Polyester insulation is resistant to biological attack (bacteria and fungal resistant)

**Maximum Service Temperature:** GreenStuf® ASL should not be used where temperature exceeds 90°

**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%.

**Corrosiveness:** GreenStuf® ASL would not be classified as corrosive when tested in accordance with NZS4222

**Odour Free:** GreenStuf® insulation is odour free and won't absorb from it's surroundings.



**Non Corrosive:** GreenStuf® polyester is pH7.8 (pH7 is neutral).

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

**Vermin:** GreenStuf® is naturally resistant to insect and vermin attack.

**MSDS:** Material Safety Data Sheets (MSDS) are available on request from your Autex Representative or by visiting our website: [www.autex.co.nz](http://www.autex.co.nz)

**Durability:** GreenStuf® has a 50 Year Durability Warranty.

**Acoustic Performance:** All performance results are based on testing carried out in a laboratory environment. On-site results could vary depending on the system design, materials and quality of the installation. For more information and assistance please contact your Autex Representative.

**VOC Emissions:** Autex polyester has been tested by Cetec Pty Ltd (Report: CV080408) for chemical emission and is classified as low VOC. VOC concentration: 0.01 mg/m<sup>3</sup>

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

**Environmental:** All GreenStuf® insulation products are manufactured using the same materials and under the same conditions, processes and controls as the Environmental Choice New Zealand certified range as published at the date of this document. All GreenStuf® products are manufactured from 100% polyester fibre and contain a minimum of 45% already recycled fibre (from PET plastic) and are manufactured under Autex's zero waste policy.

GreenStuf® products are Green Star NZ & Homestar compatible, and GreenStuf® products have been independently assessed and verified compliant with Living Building Challenge projects. For more information please contact your Autex Account Manager or visit our website.

**Nominal Thickness:** The product nominal thickness for GreenStuf® ASL is the off-line manufactured thickness. Packaging, storage and handling may affect the "out of the pack" thickness. This is not considered a manufacturing fault. If thickness is critical to a particular installation please discuss your requirements with your Autex Account Manager.

PRODUCT	NOMINAL THICKNESS (mm)	PRODUCT DENSITY (kg/m <sup>3</sup> )	R-VALUE	SLABS PER PACK	COVERAGE (m <sup>2</sup> /PACK)
ASL-R1.3	50mm	35kg/m <sup>3</sup>	R1.3	5	13.62
ASL-R2.0	75mm	35kg/m <sup>3</sup>	R2.0	4	10.89
ASL-R2.5	90mm	35kg/m <sup>3</sup>	R2.5	3	8.17

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 Representative.

GreenStuf® is a registered trademark of Autex Industries.

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**AUTEX**



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ISO 9001 AND ISO 14001 ACCREDITED