

GreenStuf®

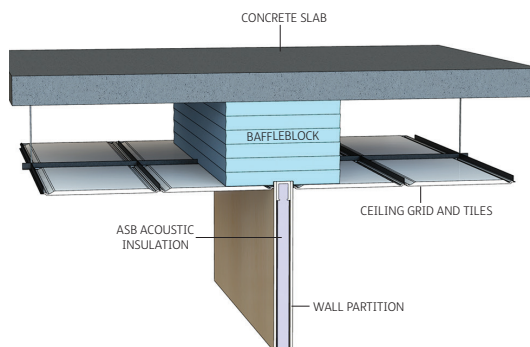
BAFFLEBLOCK®

GreenStuf® Baffleblock® is a 100% polyester acoustic insulation designed to be layer stacked above partition walls to reduce sound transmission through the ceiling plenum space and is supplied as rolls pre-cut to 600mm wide.

APPLICATIONS

GreenStuf Baffleblock is designed for use above new or existing Sound Transmission Class (STC) rated partition walls to enhance the acoustic privacy between spaces.

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 acoustic insulation products. For information and assistance please contact your Autex account manager.



Application Considerations: GreenStuf Baffleblock must be installed with at least enough compression to ensure stack stability and a tight fit to all surfaces including concrete slab, ceiling or the floor above. No gaps to be allowed through the stack. GreenStuf Baffleblock can be installed to a height of 1m without specialist design considerations. Above this height, consideration must be given to the stack stability and weight loading restrictions on the ceiling tiles and grid system. Other options are available for plenum heights above 1m.

Where the ceiling plenum is used as an active return for the air conditioning system, ensure airflow is not significantly reduced. Autex recommends you consult the mechanical services engineer to ensure the use of GreenStuf Baffleblock will not result in a loss of effective air movement.

Existing services, ducting, ceiling grid supports and fire control and detection devices must not be affected by the installation. GreenStuf Baffleblock should not be used where temperatures exceed 160°C. Where flues or similar heat emitting items pass through the insulation, a 200mm venting gap should be left between that item and the insulation. For more information please discuss your requirements with your Autex account manager.



Declare.



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.

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)

Fire ratings:

ISO 9705: 1993

Classification: Group 1-5
 Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2
 FAR 4045-2 issued 8th October, 2013

AS1530.3

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

APL Report 98055 (Test conducted on GreenStuf Thermal Insulation)

PRODUCT	NOMINAL THICKNESS (mm)	PACK SIZE	PRODUCT WEIGHT (gsm)	DENSITY (kg/m ³)	m ² /PACK
BAFFLEBLOCK	100mm	600mm wide x 8.33Lm x 2 rolls	1,000gsm	10kg/m ³	10m ²

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

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.

Installation: GreenStuf Baffleblock should be installed as a layer stack above STC rated partition walls. GreenStuf Baffleblock must be installed with enough compression to ensure stack stability and a tight fit to all surfaces including slab, roof or floor above. No gaps to be allowed through the stack and small pieces should be used to fill around ducting, services and structural components. Consult with the HVAC installer/engineer prior to commencing to ensure no loss of effective air movement to the active return of the air conditioning system.

Additional information and advice are available from your Autex account manager or by phoning Autex customer services freephone 0800 428 839.

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

Specification & Substitution: Autex specification documents are available through Masterspec or can be downloaded from our website www.greenstuf.co.nz

The performance and design of GreenStuf Baffleblock has been engineered to supply a tested and proven sound control system. Substitution of any specified components in a sound control system can significantly compromise the system performance. Accept NO substitutions.

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

Take Back Programme: GreenStuf is recyclable. Autex will gladly recycle used, uncontaminated GreenStuf insulation to help keep it out of landfills. For more information on recycling GreenStuf contact Autex on freephone 0800 428 839.

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

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 products are Global GreenTag GreenRate Level A certified and can be used to contribute to Green Star and Homestar accreditation.

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 visit our website www.greenstuf.co.nz

FREQUENCY (Hz)	ACOUSTIC PERFORMANCE*		
	Installed Product Density: 11 kg/m ³ Stack Compression: 10%	Installed Product Density: 15 kg/m ³ Stack Compression: 33%	Installed Product Density: 16 kg/m ³ Stack Compression: 40%
63	5.22	5.76	6.73
125	7.75	8.38	9.34
250	7.27	8.24	9.01
500	13.15	14.35	15.64
1000	15.25	17.01	18.42
2000	16.56	18.71	20.17
4000	19.53	22.56	24.21
8000	18.30	20.54	21.78
Insertion loss (dBA)	12.9	14.1	15.2

*Tested through the 600mm section of the material

Density expressed as kg/m³ is a calculation of Product Weight (gsm) divided by nominal thickness. Baffleblock has a non-compressed thickness of 100mm and a nominal net weight of 1,000gsm. Standard product density (un-compressed) is 10kg/m³.



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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.

GreenStuf® is a registered trademark of Autex Industries.