

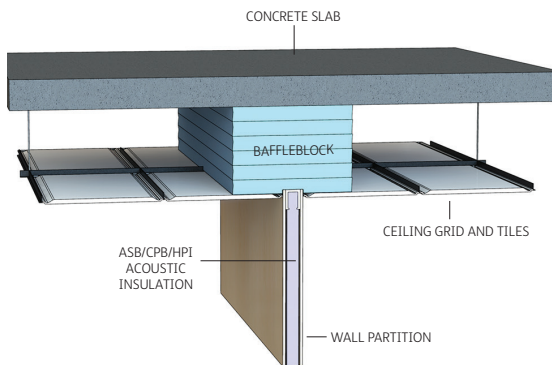
# GreenStuf®

## 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 RW rated partition walls to enhance the acoustic privacy between spaces. To ensure Building Code compliance, architects and building designers are advised to consult an engineer or the relevant Australian standards before specifying acoustic insulation product. For information and assistance please contact your local 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 are 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, fire control and detection devices must not be affected by the installation. GreenStuf Baffleblock should not be used where temperatures exceed 160°C.



Declare.



PROUDLY MADE IN AUSTRALIA

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.

### TECHNICAL

**NCC Compliance:** When installed in accordance with the manufacturer's instructions, GreenStuf insulation will satisfy the 50 year durability criteria for minimum design life as set out in the ABCB guidance document Durability in Buildings including Plumbing installations 2015 (section 3.4).

**Fire Regulations:** GreenStuf insulation may not be suitable for all applications, as stipulated in the NCC. Please consult a fire engineer when specifying GreenStuf insulation or contact your local 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/m<sup>3</sup> (7 days). GECA/Green Guard Limit: 0.25 mg/m<sup>3</sup> (7 days). Cetec Pty Ltd (Report: RCV080408)

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

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

PRODUCT	NOMINAL THICKNESS (mm)	PACK SIZE	BATTS/ROLLS PER PACK	m <sup>2</sup> /PACK
Baffleblock®	100mm	600mm x 8.33Lm	2 Rolls	10.00m <sup>2</sup>
Baffleblock®	100mm	600mm x 1200mm	8 Batts	5.76m <sup>2</sup>

**Fire Ratings:**

AS ISO 9705:2003

Australian Group Number: Group 1

SMOGR<sub>RC</sub>: less than 100m<sup>2</sup>/s<sup>2</sup>

Assessed using methodology AS ISO 9705:2003 in accordance with AS5637.1:2015, as required by NCC specification C1.10-4. FAR4045-2 issued 8<sup>th</sup> 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)

**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 RW 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 are to be allowed through the stack and small pieces should be used to fill around ducting, services and structural components. Ensure all packaging is removed. 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 is available from your Autex account manager or by phoning Autex customer services on free phone 1800 678 160.

**MSDS:** Material Safety Data Sheets (MSDS) are available on request from your Autex account manager or by visiting our website [www.greenstuf.com.au](http://www.greenstuf.com.au)

**Specification & Substitution:** Autex specification documents are available and can be downloaded from our website [www.greenstuf.com.au](http://www.greenstuf.com.au)

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.

**Take Back Programme:** Autex will gladly recycle used, uncontaminated GreenStuf insulation to help keep it out of landfills. For more information on recycling GreenStuf contact Autex on free phone 1800 678 160.

**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 have been awarded Global GreenTag's Platinum Product Health Declaration. 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.com.au](http://www.greenstuf.com.au)

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

**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 account manager.

FREQUENCY (Hz)	ACOUSTIC PERFORMANCE*		
	Installed Product Density: 11 kg/m <sup>3</sup> Stack Compression: 10%	Installed Product Density: 15kg/m <sup>3</sup> Stack Compression: 33%	Installed Product Density: 16 kg/m <sup>3</sup> 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
<b>Insertion loss (dBA)</b>	<b>12.90</b>	<b>14.10</b>	<b>15.20</b>
*Tested through the 600 mm section of the material			

Density expressed as kg/m<sup>3</sup> is a calculation of Product Weight (gsm) divided by Nominal Thickness. GreenStuf Baffleblock has a non-compressed thickness of 100mm and a nominal net weight of 1,000gsm. Standard product density (un-compressed) is 10kg/m<sup>3</sup>.

GreenStuf® is manufactured in Australia by Autex Australia Pty Ltd. Autex retains the right to change products and specifications without prior notice. If a specification is critical to the end use application please discuss your requirements with your Autex account manager.

GreenStuf® is a registered trademark of Autex Industries.

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