Fletcher Insulation
Building Better, Together

Technical data sheet

Pink® SonoMatt® Blanket

Acoustic ceiling overlay

Description

Pink® SonoMatt® Blanket comprises of a glasswool insulation blanket with a black, non-woven regina tissue adhered to one side.

Applications

Pink® SonoMatt® Blanket may be used in applications such as partitions, screens and baffles. Its black tissue facing makes it ideal for installation behind perforated linings to conceal imperfections and improve the overall acoustic properties of the internal lining. Typically used as a ceiling overlay, Pink® SonoMatt® Blanket provides effective sound absorption and transmission properties particularly for 'problem' acoustic applications which cannot be satisfied with more routine acoustic products. In addition to providing acoustic performance, Pink® SonoMatt® Blanket provides the added benefit of thermal insulation and increases the overall total R-value of a building envelope, thus improving the energy efficiency of a building.

Features and benefits

Codemark certified to AS 4859.1 for thermal performance	→	Assurance that the product meets the requirements of National Construction Code.
Assists in reducing unwanted noise in buildings	→	Provides a more comfortable living and working space.
Delivers overall building energy efficiency keeping buildings cool in summer and warm in winter	→	Reduces future ongoing costs on energy bills and unnecessary stress on HVAC systems.
FBS-1 Bio-Soluble product	→	Safe and comfortable to handle.

Product data

Material R-value	Thickness mm	Width mm	Length m	m² per roll	Old product code	New product code
R1.3	55	1200	20	24	941045	4005597
R1.8	75	1200	15	18	941046	4005598
R2.5	100	1200	15	18	941047	4005599
R3.0	130	1200	12	14.4	941048	4005265

Physical properties

Property	Test method/standard	Result	Unit
Thermal resistance R-value	AS/NZS 4859.1	Complies	m^2K/W
Moisture absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	< 0.2	% by volume
Fungi resistance of insulation materials	C1338-14	Pass (No growth)	

Fire hazard properties

Pink® SonoMatt® Blanket exhibits the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Early Fire Hazard Indices	AS/NZS 1530.3	
Ignitability Index		0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		2

Product limitations

Important: Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed.

- **Important:** Compliance with evidence of suitability data referenced in this document is only achieved when this product is produced at a Fletcher Insulation approved facility, in accordance with Fletcher Insulation specifications and approved materials.
- This product is not classified as non-combustible in accordance with AS 1530.1 and is not suitable where a non-combustible material is required.
- This product does not meet the non-combustibility or fusion temperature requirements of AS 1668.1 Clause 2.3.2.
- This product does not have a Group Number in accordance with AS 5637.1 (NCC 2022 Volume 1 S7C4, NCC 2025 Volume 1 S7C4) and is not suitable as an exposed internal wall and ceiling lining where a group number is required.
- The facing is not a water or vapour control, not to be used where a vapour or water control is required.
- Compression of the product will reduce its declared material R-value.
- The maximum service temperature for this product is 70°C
- This product should not come into contact with wet concrete or alkaline materials
- This product is not suitable for use within 500m of a saltwater body in unenclosed or permanently ventilated spaces.

Compliance

NCC 2022

- When correctly specified and installed, the product complies with below NCC clauses and relevant standards:
- Complies with AS/NZS 4859.1 as referenced in NCC 2022, Volume 1 Clause J4D3(1) and NCC 2022, Volume 2 Housing Provisions Clause 13.2.2(1).
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2022 Volume 1, Specification 7 Fire hazard properties, Table S7C7 for insulation materials.

NCC 2025

- When correctly specified and installed, the product complies with below NCC clauses and relevant standards:
- Complies with AS/NZS 4859.1 as referenced in NCC 2025, Volume 1 Clause J4D3(1) and NCC 2025, Volume 2 Housing Provisions Clause 13.2.2(1).
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2025 Volume 1, Specification 7 Fire hazard properties, Table S7C7 for insulation materials.

Maintenance and conditions of use

- Ensure product is protected from physical damage during storage and avoid packaging being stored under UV light (such as direct sunlight) for extended periods.
- Product must be kept dry and not be exposed to weather in any condition including prior, during and after installation.

Acoustic performance

Flow resistivity

Acoustic performance of Pink® SonoMatt® Blanket products used in sound absorption applications can be measured by their resistance to air flow. This is recognised as flow resistivity. Tested in accordance with ASTM Standard C522-03 Standard Test method for Airflow Resistance of Acoustic Materials. The following table rates the flow resistivity of Pink® SonoMatt® Blanket products:

Product	Material R-Value m^2K/W	Thickness mm	Flow resistivity RAYLS/m
Pink® SonoMatt® Blanket	R1.3	55	4120
Pink® SonoMatt® Blanket	R1.8	75	4010
Pink® SonoMatt® Blanket	R2.5	100	6610

Health and safety

Pink® SonoMatt® Blanket insulation is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. Refer to Fletcher Insulation SUIS for more information.

Environmental properties

The Glasswool component of Pink® SonoMatt® blanket is manufactured from up to 80% recycled glass which would otherwise go into landfill and be unsuitable for alternative manufacturing processes.

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation®.

The use of Pink® SonoMatt® Blanket insulation guarantees the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Technical specification

When specifying, please state the following:
The insulation material must be Fletcher Insulation Pink® SonoMatt® Blanket insulation. The insulation shall achieve a Material R-value of R_____m^2K/W (specify Material R-value) at a nominal thickness of _____mm (specify insulation thickness).

The following performance attributes must be specified:

- Product must be FBS-1 Biosoluble.
- Product must recover to the requirements of AS/NZS 4859.1.

Installation instructions

For the correct installation method, follow the Installation Guidelines available from insulation.com.au

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