

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. 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.

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. In addition to providing exceptional 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. This allows architects, specifiers and builders to satisfy both thermal and acoustic design requirements with the specification and installation of a single product.

Product Data

Material R-value	Thickness mm	Width mm	Length m	m ² per roll	Product Code
R1.3	55	1200	20	24	941045
R1.8	75	1200	15	18	941046
R2.5	100	1200	15	18	941047

Physical Properties

Property	Test Method/Standard	Result	Unit
Thermal Resistance R-value	AS/NZS 4859.1	Complies	m ² K/W
Moisture Absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	< 0.2	% by volume
Maximum Service Temperature	ASTM C411/C447	Glasswool: 350 Facing: 70	°C
pH	ASTM C871	9 (does not contribute to the corrosion of steel structures)	

Fire Hazard Properties

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

Property	Test Method/Standard	Result
Combustability (glasswool)	AS 1530.1	Non-combustible
Early Fire Hazard Indices		
Ignitability Index		0
Spread of Flame Index	AS/NZS 1530.3	0
Heat Evolved Index		0
Smoked Developed Index		2

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. Flow resistivity performance is valuable when evaluating products of the same thickness and density that have varying fibre attributes. 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 ² K/W	Thickness mm	Flow Resistivity Rayls/m	Extrapolated NRC
Pink® SonoMatt® Blanket	R1.3	55	4120	0.55
Pink® SonoMatt® Blanket	R1.8	75	4010	0.70
Pink® SonoMatt® Blanket	R2.5	100	6610	1.0

Extrapolated NRC calculated with Zorba software (Marshall Day Acoustics)

Health and Safety

Pink® SonoMatt® Blanket insulation is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and is classified as non-hazardous according to the criteria of Safe Work Australia. Fletcher Insulation glasswool can be used with confidence in any residential or commercial application.

Environmental Properties

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

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, state the following:

The insulation material shall be Fletcher Insulation Pink® SonoMatt® Blanket insulation. The insulation shall achieve a Material R-value of R_____m² K/W (specify Material R-value) at a nominal thickness of _____mm (specify insulation thickness).

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