

TECHNICAL DATA SHEET

PINK® SONOMATT® ACOUSTIC CEILING OVERLAY

Product description and typical applications

Pink® SonoMatt® comprises of a glasswool blanket substrate with a black, non-woven regina tissue adhered to one side. Typically used as a ceiling overlay, Pink® SonoMatt® provides effective sound absorption and transmission properties particularly for 'problem' acoustic applications which cannot be satisfied with more routine acoustic products. Pink® SonoMatt® may also be used in applications such as partitions, screens and baffles. Its black tissue facing makes it ideal for installation behind perforated metal linings to conceal imperfections and improve the overall aesthetic appearance of the internal lining.

In addition to providing exceptional acoustic performance, Pink® SonoMatt® 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.

Physical characteristics

Material R-value m ² K/W	Nominal 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
R3.0	130	1200	10	12	941048

Thermal performance

Pink® SonoMatt® complies with the requirements of AS/NZS 4859.1:2002 including Amendment 1. The thermal performance of Pink® SonoMatt® insulation varies with application and installation method. For complete Total R-value guidance visit www.insulation.com.au/fletcherspecpro

Acoustic performance

Based on flow resistivity results tested in accordance with ASTM Standard C522-033 'Standard Test Method for Airflow Resistance of Acoustic Materials', the following NRC and α_w values were extrapolated by Marshall Day Acoustics.

Nominal thickness mm	Extrapolated NRC	Extrapolated α_w
55	0.60	0.60 (H)
75	0.75	0.75
100	0.95	0.95
130	1.00	0.95 (L)



For Total R-value guidance visit:
WWW.INSULATION.COM.AU/FLETCHERSPECPRO

Fletcher Insulation

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Early fire hazard properties

Pink® SonoMatt® insulation achieves the following results when tested in accordance with AS1530.3-1999:

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	2

Maximum service temperature

Pink® SonoMatt® is manufactured for use at temperatures that are normally experienced in building systems. The maximum surface temperature of the glasswool substrate is 340°C. However, given a material facing is applied to the substrate; the surface temperature of Pink® SonoMatt® should not exceed 70°C.

Moisture absorption

Pink® SonoMatt® insulation absorbs less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

Alkalinity

When tested in accordance with British Standard 3958, Fletcher Insulation™ glasswool products receive a rating of pH9 (pH7 is neutral). They will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

Safe to use

Pink® SonoMatt® is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. FBS-1 Glasswool Bio-Soluble Insulation® is safe to use and meets the criteria of the Australian Safety and Compensation Council (formerly NOHSC) to be classified as non-hazardous. Fletcher Insulation™ glasswool can be used with confidence in any residential, commercial or industrial application.

Green Star compliant

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

Specification notes

The insulation material shall be Fletcher Insulation Pink® SonoMatt® insulation blanket.

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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