

TECHNICAL DATA SHEET

PINK® THERMAL SLAB COMMERCIAL UNDERSLAB / SOFFIT INSULATION

Product description and typical applications

Pink® Thermal Slab is a highly effective insulation material comprising of a semi-rigid glasswool board with a Sisalation® reflective foil laminate adhered to one side. It is ideal for use in commercial applications where thermal properties are pivotal in controlling temperature fluctuations of concrete roofs, floors and walls. Pink® Thermal Slab is supplied with a silver foil finish.

Available in various thicknesses, Pink® Thermal Slab delivers excellent thermal performance which in turn improves the energy efficiency of a building. Pink® Thermal Slab also provides the added benefit of exceptional acoustic absorption, which allows Architects, Specifiers and Builders to satisfy both thermal and acoustic design requirements through the specification and installation of a single product.

Physical characteristics

Foil Facing	Material R-value m ² K/W	Nominal thickness mm	Width mm	Length mm	Pieces per pack	Coverage per pack m ²	Product code
Sisalation® Heavy Duty(HD) - silver	R1.5	50	1200	2400	5	14.40	941107
	R2.0	66	1200	2400	3	8.64	941110
	R2.3	75	1200	2400	3	8.64	941108
	R3.0	100	1200	2400	2	5.76	941109

Thermal performance

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



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

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Acoustic performance

Pink® Thermal Slab underslab insulation achieves the following sound absorption results when tested in accordance with AS ISO 354 – 2006:

	Nominal thickness mm	Sound absorption coefficients (reverberation) at frequencies (Hz) of:						
		125	250	500	1000	2000	4000	NRC
Pink® Thermal Slab - silver reflective foil facing	50	0.35	1.00	0.90	0.45	0.20	0.15	0.70
	66	0.45	1.00	0.90	0.50	0.25	0.10	0.70
	75	0.50	1.00	0.90	0.50	0.25	0.10	0.70
	100	0.85	1.00	0.85	0.50	0.25	0.10	0.70

Early fire hazard properties

Pink® Thermal Slab 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	0-1

Maximum service temperature

Pink® Thermal Slab 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® Thermal Slab should not exceed 70°C.

Moisture absorption

Pink® Thermal Slab 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® Thermal Slab 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® Thermal Slab 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® Thermal Slab.

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) and an NRC of not less than ____ (refer to the Acoustic Performance section).

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