

PINKPOLY™

Acoustic Insulation

PRODUCT DESCRIPTION AND TYPICAL APPLICATIONS

Insulation Solutions™ *Pinkpoly* acoustic insulation products have been designed for use in commercial applications to absorb sound within rooms and reduce sound transmission between rooms. Easy to handle and install, *Insulation Solutions Pinkpoly* insulation achieves

significant sound reduction levels when used as an infill in wall and ceiling systems, whilst providing the added benefits of an effective thermal insulation.

PHYSICAL CHARACTERISTICS

Product Name	PP2	PP3	PP4	PPSR
Nominal Thickness	50mm	65mm	75mm	50mm
Dimensions	16500 x 610	16500 x 610	16500 x 610	
	2700 x 610	2700 x 610	2700 x 610	
	2400 x 600	2400 x 600	2400 x 600	2400 x 1200
	1500 x 1200	1500 x 1200	1500 x 1200	
Mass/Unit Area (gsm)	350	500	650	1600
Nominal Density kg/m ³	7.0	7.7	8.7	32.0

*These sizes are available in either *Pinkpoly* or *black poly* ceiling overlay. Other sizes are available on request.

THERMAL RESISTANCE

The thermal resistance or R-value, (m²K/W) of *Pinkpoly* at a mean temperature of 25°C.

Tested by Insulation Solutions in accordance with AS2464 Part 5.

Name	Nominal Thickness	Thermal Resistance
PP2	50mm	R0.69
PP3	65mm	R0.95
PP4	75mm	R1.17
PPSR	50mm	R0.80

OPERATING TEMPERATURE

The maximum service temperature for *Pinkpoly* is 70°C.

MELTING TEMPERATURE

The melting temperature of *Pinkpoly* is 250°C

SOUND ABSORPTION COEFFICIENT

Nominal Thickness	Density kg/m ³	125Hz	250Hz	500Hz	1000Hz	2000Hz	NRC
75mm	8.7	0.34	0.56	0.63	0.67	0.74	0.65
50mm	32.0	0.25	0.50	0.80	0.95	0.90	0.80

Tested in accordance with AS1045.

SOUND TRANSMISSION CLASS (STC)

WALL SYSTEM	INSULATION	STC Performance
64mm steel stud with one layer of 13mm Boral Firestop™ plasterboard each side.	<i>Pinkpoly</i> PP2 50mm thick	43
92mm steel stud wall with one layer of 13mm <i>Boral Firestop</i> plasterboard each side.	<i>Pinkpoly</i> PP5 85mm Thick	45
Staggered steel stud wall system - 2 layers of 13mm <i>Boral Firestop</i> plasterboard each side at 600 centres of 92mm steel top and bottom plate.	50mm thick 14kg/m ³ <i>Pinkpoly</i> Noise Control Batts™	55
<i>Boral</i> D stud cinema wall system with 4 layers of <i>Boral Firestop</i> plasterboard either side.	150mm thick 14kg/m ³ <i>Pinkpoly</i> Noise Control Batts	72
Staggered stud wall system incorporating 61 or 64mm Staggered studs in 92mm top & bottom track with one layer of 16mm <i>Boral Firestop</i> plasterboard each side.	50mm thick 14kg/m ³ <i>Pinkpoly</i> Noise Control Batts	48

SPECIFICATION NOTES

When specifying, state the following:

- *Insulation Solutions Pinkpoly* (Black poly where required over ceilings)
- Thickness.
- Whether STC or NRC.
- If any facing is required.

EARLY FIRE HAZARD RATING

When tested in accordance with AS1530 Part 3 "Early Fire Hazard Properties of Materials Test" *Pinkpoly* exhibits the following characteristics. Tests were conducted by AWTA.

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

BIO-SOLUBILITY

The fibre used in this product is FBS-1 Bio-Soluble Glass Wool™ Insulation. This means that it dissolves in bodily fluids and is quickly cleared from the lungs. It complies with the test of short term

biopersistence in Note Q of [NOHSC: 10005 (1999)]. *Glass Wool* is classified as safe to use.



SUSTAINABILITY

Sustainability...measures that satisfy the needs of people today while enhancing the quality of life for future generations. The demands on non-renewable resources for the production of energy are not sustainable without compromising the environment. Insulation, correctly specified and installed, is one of the most critical products in

improving energy efficiency and reducing the levels of greenhouse gas emissions. *Insulation Solutions* is committed to providing environmentally sustainable products and utilises up to 70% recycled waste glass in the production of *Glass Wool* Insulation.