

PINK® PARTITION

NON COMBUSTIBLE THERMAL AND ACOUSTIC INSULATION FOR PARTITIONS AND WALL SYSTEMS

Description

Pink® Partition is manufactured from up to 80% recycled glass for thermal and acoustic insulation of commercial partitions, wall systems and ceilings. Pink® Partition is available in densities of 11, 14, 24 and 32kg/m³ to fit standard steel stud spacings.

Applications

Specially designed for use in commercial metal framed partitions, wall systems and ceilings, Pink® Partition insulation delivers exceptional thermal and acoustic performance, thereby contributing to the effective construction of comfortable, energy efficient commercial buildings. It is typically used in partition walls of low and high rise multi-residential buildings and commercial fit-out projects such as offices, schools, universities and shopping centres where acoustic control is essential. Pink® Partition may also be used as a ceiling overlay for enhanced thermal and acoustic performance. The range encompasses multiple densities, thicknesses and dimensions to suit typical commercial steel framed studs and to satisfy a broad spectrum of building requirements. Specification and installation of Australian made, Pink® Partition insulation enables designers and builders to satisfy National Construction Code (NCC) requirements pertaining to Energy Efficiency, Sound Insulation Provisions and Fire resistance performance.

The firm, rigid composition of Pink® Partition insulation allows for friction fitting; thereby reducing installation time and costs. Importantly, the rigidity of Pink® Partition insulation assures users the product will not slump within the cavity. Slumping of insulation creates voids which in turn diminish a building systems overall thermal and acoustic performance. For higher density options refer to the Pink® Partition HD Panels Technical Data Sheet.

Product Data

Material R-value m² K/W	Thickness mm	Width mm	Length mm	Pieces per pack	Coverage per pack m²	Product Code
Pink® Partition 11						
R1.2	50	450	1200	32	17.28	903442
		450	2700	24	29.16	903443
		600	1200	32	23.04	903444
		600	2700	16	25.92	903445
R1.8	75	450	1200	16	8.64	903446
		450	2700	24	29.16	903447
		600	1200	16	11.52	903448
		600	2700	16	25.92	903449
R2.1	90	450	1200	16	8.64	903450
		600	1200	16	11.52	903452
		600	2700	16	25.92	903453
R2.5	110	450	1200	16	8.64	903458
		600	1200	16	11.52	903454
R3.5	165	600	1200	10	7.20	903463

Material R-value m ² K/W	Thickness mm	Width mm	Length mm	Pieces per pack	Coverage per pack m ²	Product Code
Pink® Partition 14						
R1.3	50	450	1200	24	12.96	903515
		450	2700	24	29.16	903516
		600	1200	24	17.28	903517
		600	2700	16	25.92	903518
R1.9	75	450	1200	16	8.64	903715
		450	2700	18	21.87	903716
		600	1200	16	11.52	903717
		600	2700	12	19.44	903718
R2.2	90	450	1200	14	7.56	903915
		450	2700	15	18.23	903916
		600	1200	14	10.08	903919
Pink® Partition 18						
R0.7	25	600	2700	20	32.40	901028
Pink® Partition 24						
R0.7	25	600	2700	20	32.40	901022
R1.1	38	600	2700	12	19.44	901023
R1.4	50	600	1200	12	8.64	903552
		600	2700	12	19.44	901024
R1.8	64	600	2700	10	16.20	901025
R2.1	75	450	1200	10	5.40	903553
		600	1200	10	7.20	903554
R2.5	90	450	1200	8	4.32	903555
		600	1200	8	5.76	903556
R2.8	100	450	1200	6	3.24	903557
		600	1200	6	4.32	903558
Pink® Partition 32						
R1.5	50	450	1200	12	6.48	903650
		600	1200	12	8.64	903652
R2.2	75	450	1200	10	5.40	903670
		600	1200	10	7.20	903672
R2.7	90	450	1200	8	4.32	903690
		600	1200	8	5.76	903692
R3.0	100	600	1200	6	4.32	903694

Note: 2700mm lengths are supplied as skip-chopped rolls.

For more information call 1300 654 444
email info@insulation.com.au or web www.insulation.com.au



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	°C
pH	ASTM C871	9 (does not contribute to the corrosion of steel structures)	

Fire Hazard Properties

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

Property	Test Method/Standard	Result
Combustability	AS 1530.1	Non-combustible
Early Fire Hazard Indices	AS/NZS 1530.3	
Ignitability Index		0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		1
BAL Compliance	AS 3959	Low-FZ

Compliance

- Complies with AS/NZS 4859.1 as referenced in NCC 2019, Volume 1 Clause J1.2(a) and NCC 2019, Volume 2 Clause 3.12.1.1
- Thickness and density specifications cover the requirements of the Acceptable forms of Construction for sound insulation according to NCC 2019 Volume 1, Specification F5.2 and NCC 2019 Volume 2, 3.8.6.1
- Classified as Non-Combustible according to AS/NZS 1530.1, therefore complies with the requirements of NCC Volume 1 C1.9(a) and, wherever a non-combustible insulation material is required according to NCC 2019 Volume 2.
- When tested to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' or 'Smoke Developed' indices as required by NCC 2019 Volume 1, Specification C1.10 Clause 7 for insulation materials.
- Complies with the requirements of AS3959 Bushfire Attack Level Low-FZ in walls, floors and ceilings.
- Complies with all state variations to the NCC 2019.

Acoustic Performance

Sound Absorption

Pink® Partition tested achieve the following sound absorption coefficients when tested in accordance with AS ISO 354.

Product	Material R-Value	Thickness mm	Sound Absorption Coefficients at Frequencies (Hz) of:											NRC	α _w
			100	125	250	500	1000	2000	3150	4000	5000				
Pink® Partition 11	R1.2	50	0.15	0.16	0.63	0.88	0.98	0.99	1.00	1.01	1.06	0.85	0.85 (H)		
Pink® Partition 14	R1.3		0.14	0.12	0.30	0.86	1.00	1.00	1.02	0.99	1.04	0.85	0.85 (H)		
Pink® Partition 24	R1.4		0.16	0.17	0.69	1.02	1.09	1.03	1.07	1.07	1.06	0.95	0.95		
Pink® Partition 11	R1.8	75	0.26	0.27	0.91	0.99	1.04	1.00	1.06	1.05	1.11	1.00	1.00		
Pink® Partition 14	R1.9		0.24	0.24	0.91	1.01	1.03	1.00	2.00	1.08	1.06	1.00	1.00		
Pink® Partition 24	R2.1	90	0.36	0.43	1.16	1.11	1.05	1.07	1.04	1.07	1.06	1.10	1.00		
Pink® Partition 11	R2.5	110	0.40	0.42	1.08	1.10	1.02	1.09	1.09	1.06	1.06	1.05	1.00		

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Flow Resistivity

Product	Material R-Value	Thickness mm	Density kg/m ³	Flow Resistivity Rayls/m
Pink® Partition 11	R1.8	75	11	4050
	R2.1	90	11	3610
Pink® Partition 14	R1.4	50	14	4040
	R1.9	75	14	5960
	R2.2	90	14	5090
Pink® Partition 32	R1.5	50	32	20840
	R2.1	60	32	16490
	R2.5	70	32	17310
	R2.7	90	32	19440
	R3.0	100	32	18820

Health & Safety

Pink® Partition 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, commercial or HVAC 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® Partition 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 non-combustible Pink® Partition _____ (specify nominal density i.e. 11, 14, 24 or 32kg/m³) R_____m² K/W _____x_____x_____mm (specify Material R-value, width, length, thickness)

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