

## NCC requirements for insulation in commercial building fire rated walls

The National Construction Code (NCC) 2019 requires all components of external walls, common walls, and internal non-load bearing fire rated walls, for Type A and Type B buildings to be non-combustible. This means that components of the wall including insulation must be non-combustible.

Fletcher Insulation provide an extensive range of non-combustible solutions for compliance in external and internal walls, offering enhanced fire, acoustic and thermal performance. For bulk insulation, these products include Pink® Partition, Pink® Batts and Pink® Soundbreak™ wall batts, depending on the building design and requirements. For information relating to building wraps, please refer to our [Membrane in External Walls Technical Bulletin](#)

Non-combustibility is achieved by either fulfilling the non-combustibility criteria of AS 1530.1 or exempted by Clause C1.9 (d) and (e) of the NCC.

Outside of the structural or divisional function of a wall system, fire, thermal and acoustic properties are the fundamental components to be considered as part of a wall system's design and performance. While external or internal walls require non-combustible insulation, it is a common prerequisite for insulation to also provide undisturbed acoustic conditions and optimal thermal performance for the well-being of occupants.

Pink® Partition, Pink® Batts and Pink® Soundbreak™ are non-combustible, glasswool insulation products designed to provide a reduction in acoustic transmission in walls. Maintaining their fit and firmness in the wall cavity ensures the insulation remains in place for ongoing thermal performance and safeguards the prevention of potential gaps in the walls caused by slumping of other types of insulation.

Pink® Partition is available in a range of densities, enabling the acoustic and thermal performance to be modified to suit any project requirements. This range of densities available go up as high as 32kg/m<sup>3</sup> and thicknesses up to 165mm, providing up to R3.5 added insulation to the total wall thermal performance.



Fletcher Insulation's non-combustible products are the ideal product solution for compliant wall applications for the following reasons:

- Fire safe: Tested and deemed non-combustible to AS 1530.1
- Excellent thermal performance
- Exceptional acoustic value assists with achieving excellent Rw and Rw+Ctr ratings
- Easy to install, Pink® Batts and Pink® Soundbreak™ are available in 600mm width sizes, perfect for steel frame applications and Pink® Partition Wall is available in 1200mm length batts with rolls skip-chopped to 2700mm lengths for easy installation
- Comprehensive product range
- Products recover very quickly to their designed thickness
- Manufactured in Australia providing short lead times and local availability
- Local technical service and support for your projects

## Discover the range

### Pink® Partition

For non-combustible external walls and internal partition walls and ceilings

Density Kg/m <sup>3</sup>	Material R-value m <sup>2</sup> K/W	Thickness mm	Width mm	Length mm	Batts per pack	Coverage per pack m <sup>2</sup>	Product Code
Pink® Partition 11	R1.2	50	450	1200	32	17.28	903442
			600	1200	32	23.04	903444
				2700	16	25.92	903445
	R1.8	75	450	1200	16	8.64	903446
			600	1200	16	11.52	903448
				2700		25.92	903449
	R2.1	90	450	1200	16	8.64	903450
			450	2700	24	29.16	903451
			600	1200	16	11.52	903452
	R2.5	110	450	1200	16	8.64	903458
			600	1200	16	11.52	903454
	R3.5	165	450	1200	10	5.74	903478
			600	1200	10	7.20	903463
	Pink® Partition 14	R1.3	50	450	1200	24	12.96
600				1200	24	17.28	903517
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
R2.5		100	600	1200	12	8.64	903920



## Pink® Partition continued

Density Kg/m <sup>3</sup>	Material R-value m <sup>2</sup> K/W	Thickness mm	Width mm	Length mm	Batts per pack	Coverage per pack m <sup>2</sup>	Product Code
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
	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	450	1200	6	3.24	903600
			600	1200	6	4.32	903694

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

## Pink® Batts: for walls

For non-combustible external walls and internal partition walls

Material R-value m <sup>2</sup> K/W	Thickness mm	Width mm	Length mm	Batts per pack	m <sup>2</sup> per pack	Coverage per pack m <sup>2</sup>	Product Code
R1.5 Wall	70	430	1160	24	11.97	13.29	900166
	70	580	1160	24	16.15	17.92	900167
R2.0 Wall	90	430	1160	24	11.97	13.29	901217
	90	580	1160	24	16.15	17.92	901218
R2.0 HD Wall	70	430	1160	12	5.99	6.8	900210
	70	580	1160	12	8.07	8.96	900211
	70	600	1200	12	8.64	9.59	900213
R2.2 Wall	90	430	1160	16	8.0	9.0	901220
	90	580	1160	16	10.8	12.2	901221
R2.5 HD Wall	90	430	1160	12	5.99	6.64	900253
	90	580	1160	12	8.07	8.96	900256
	90	600	1200	12	8.64	9.59	900214



## Pink® Soundbreak™

### For non-combustible external walls and internal partition walls

Pink® Soundbreak™ includes all the features and benefits of the Pink® Batts range plus the extra thermal benefit and superior acoustic performance.

Material R-value m <sup>2</sup> K/W	Thickness mm	Width mm	Length mm	Batts per pack	m <sup>2</sup> per pack	Coverage per pack m <sup>2</sup>	Product Code
R1.7	60	430	1160	12	6.0	6.9	902191
		580	1160	12	8.1	9.1	902192
R2.0	70	430	1160	10	5.0	5.8	902193
		580	1160	10	6.7	7.6	902194
		600	1200	10	7.2	7.2	902195
R2.5	90	430	1160	8	4.0	4.5	902196
		580	1160	8	5.4	6.1	902197
R2.7	90	430	1160	8	4.0	4.5	902198
		580	1160	8	5.4	6.1	902199
		600	1200	8	5.8	5.8	902200
R3.1	110	430	1160	6	3.0	3.4	902201
		580	1160	6	4.0	4.5	902202



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