

CSR[™]
**Bradford
Insulation**

HOME INSULATION

HOME INSULATION

Applications	Product	Benefits
CSR Bradford Glasswool or Rockwool Insulation		
Ceiling Insulation in new & existing homes.	Bradford GOLD BATTS™ for Ceilings	Cost effective insulation for most thermal and acoustic applications. Sized to fit standard stud spacings.
	Bradford Rockwool Batts	High density insulation for applications where a higher acoustic performance is desired or where thickness is critical.
	Bradford Glasswool Building Blanket	A convenient roll form of insulation for use as an alternative to GOLD BATTS™.
	Bradford FIBERTEX™ Rockwool Building Blanket	A convenient roll form of insulation for use as an alternative to rockwool batts.
	Bradford FIBERTEX™ Granulated Rockwool Ceiling Insulation	A loose form of rockwool it must be blown in using specialist equipment. Ideal for areas with difficult access.
Wall insulation in stud frame external walls.	Bradford GOLD BATTS™ for Walls & Floors	Cost effective insulation for most thermal and acoustic applications specially stiffened and treated with water repellent. Fits standard stud spacings.
	Bradford Rockwool Wall & Floor Batts	High density insulation for applications where a higher acoustic performance is desired.
	Bradford FIBERTEX™ Rockwool Cavity Wall Insulation	Water repellent loose rockwool blown into the wall cavity with specialist equipment for thermal and acoustic insulation.
Acoustic wall insulation in stud frame internal walls.	Bradford Rockwool SoundScreen™	High efficiency rockwool insulation for sound control in internal walls.
Wall insulation in stud frame or brick cavity walls in new or existing homes. Underfloor insulation between timber floor joists.	Bradford GOLD BATTS™ for Walls & Floors	Cost effective insulation specially stiffened and treated with water repellent. Recommended to install with THERMOFOIL™ draught barrier.
	Bradford Rockwool Wall & Floor Batts	High density insulation for applications where a higher acoustic performance is desired or where thickness is critical. Ideal for 1st storey floors.
Under Metal Deck Roofs.	Bradford ANTICON™	Glasswool or rockwool blanket faced with foil to provide an effective condensation barrier as well as thermal and acoustic insulation.
	Bradford ACOUSTICON™	An acoustically optimised foil faced roofing blanket (glasswool or rockwool) designed for superior reduction of rain noise. Particularly recommended for tropical conditions.

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Product	Description	R Value m ² K/W	Form	Dimensions			Items per Pack
				Thickness mm	Length mm or m	Widths mm	
CSR Bradford Glasswool Insulation							
Bradford GOLD BATTS™ for Ceilings	A batt manufactured from spun molten glass bonded with cured resin.	R2.0	Batt	105	1160	430/580	16
		R2.5	Batt	130	1160	430/580	16
		R3.0	Batt	160	1160	430/580	16
		R3.5	Batt	185	1160	430/580	16
		R4.0	Batt	220	1160	430	10
Bradford GOLD BATTS™ for Walls & Floors	A batt manufactured from spun molten glass bonded with cured resin. Specially stiffened and treated with water repellents for use in wall cavities.	R1.5	Batt	75	1170	430/580	16
		R2.0	Batt	95	1170	430	22
		R2.0	Batt	95	1170	580	18
		R1.5	Rolls	75	1200	600	20
Bradford Glasswool ANTICON™	A bonded glasswool blanket faced with Bradford THERMOFOIL™	Commercial Grade	Blanket	50	20m	1200	
		R1.5	Blanket	55	15m	1200	
		R2.0	Blanket	75	10m	1200	
		R2.5	Blanket	95	10m	1200	
Bradford Glasswool ACOUSTICON™	A bonded glasswool blanket faced with Bradford THERMOFOIL™.	R1.8	Blanket	75	15m	1200	
Bradford Glasswool Building Blanket	A glasswool blanket spun from molten glass bonded with cured resin.	R1.2	Blanket	50	15m & 30m	1200	
		R1.6	Blanket	75	15m	1200	
		R1.8	Blanket	75	20m	1200	
		R2.0	Blanket	83	15m	1200	
		R2.5	Blanket	110	7.5m	1200	

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Product	Description	R Value m ² K/W	Form	Dimensions			Items per Pack
				Thickness mm	Length mm or m	Widths mm	
CSR Bradford FIBERTEX™ Rockwool Insulation							
Bradford Rockwool Ceiling Batts	A heavy density batt	R2.0	Batt	80	580	430	15
	manufactured from spun	R2.5	Batt	100	580	430	12
	molten rock bonded with cured resin.	R3.0	Batt	120	580	430	9
Bradford Rockwool Wall & Floor Batts	A heavy density batt	R1.5	Batt	60	580	430	18
	manufactured from spun molten rock bonded with cured resin treated with water repellents for use in wall cavities.	R2.0	Batt	80	580	430	15
Bradford FIBERTEX™ Rockwool Building Blanket	A high density rockwool blanket spun from molten basalt bonded with cured resin.		Blanket	50	5m	750	
			Blanket	75	5m	750	
Bradford FIBERTEX™ Rockwool Granulated Ceiling Insulation	Granulated unbonded rockwool fibres for blow- in application.	R2.5	Loose	100			
Bradford FIBERTEX™ Rockwool Cavity Wall Insulation	Water repellent treated unbonded rockwool fibres for blow-in application.		Loose				
Bradford Rockwool SoundScreen™	An acoustically optimised batt manufactured from spun molten rock bonded with cured resin, for use in internal wall and floor applications.		Batt	80	580	430	15

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Product	Typical Facing Options	Fire Performance Indices			
		Ignitability	Spread of Flame	Heat Evolved	Smoke Developed
CSR Bradford Glasswool Insulation					
Bradford GOLD BATTS™ for Ceilings		0	0	0	0
		0	0	0	0
		0	0	0	0
		0	0	0	0
Bradford GOLD BATTS™ for Walls & Floors		0	0	0	0
		0	0	0	0
		0	0	0	0
		0	0	0	0
Bradford Glasswool ANTICON™	THERMOFOIL™ LD	0	0	0	3
	THERMOFOIL™ MD	0	0	0	3
	THERMOFOIL™ HD	0	0	0	3
	THERMOPLAST™	0	0	0	3
Bradford Glasswool ACOUSTICON™	THERMOFOIL™ LD	0	0	0	3
Bradford Glasswool Building Blanket		0	0	0	0
		0	0	0	0
		0	0	0	0
		0	0	0	0
		0	0	0	0
CSR Bradford FIBERTEX™ Rockwool Insulation					
Bradford Rockwool Ceiling Batts		0	0	0	0
		0	0	0	0
		0	0	0	0
Bradford Rockwool Wall & Floor Batts		0	0	0	0
		0	0	0	0
Bradford FIBERTEX™ Rockwool Building Blanket		0	0	0	0
		0	0	0	0
Bradford FIBERTEX™ Rockwool Granulated Ceiling Insulation		0	0	0	0
Bradford FIBERTEX™ Rockwool Cavity Wall Insulation		0	0	0	0
Bradford Rockwool SoundScreen™					

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Product			Sound Absorption							
	Thickness mm	Facing	Frequency (Hz)							
			125	250	500	1000	2000	4000	5000	NRC
CSR Bradford Glasswool Insulation										
Bradford GOLD BATTS™ for Ceilings	105	Nil	0.60	0.98	1.03	1.05	1.14	1.10	1.09	1.05
Bradford GOLD BATTS™ for Walls & Floors	95		0.57	0.78	0.97	0.91	0.96	1.00	0.95	0.90
Bradford Glasswool ANTICON™	55	THERMOFOIL™ LD	0.34	0.86	1.04	0.41	0.20	0.07	0.04	0.65
	75	THERMOFOIL™ LD	0.60	1.21	0.90	0.41	0.28	0.10	0.12	0.70
	95	THERMOFOIL™ LD	0.72	1.43	0.82	0.43	0.26	0.14	0.08	0.75
Bradford Glasswool ACOUSTICON™	75	THERMOFOIL™ LD	0.14	1.02	0.82	0.42	0.38	0.29	0.38	0.65
Bradford Glasswool Building Blanket	50		0.25	0.65	0.80	0.90	0.90	1.00	1.05	0.80
	75		0.35	0.80	0.85	0.90	0.90	1.10	1.05	0.85
CSR Bradford FIBERTEX™ Rockwool Insulation										
Bradford Rockwool Ceiling Batts	80		0.57	1.00	1.20	1.06	1.11	1.11	1.10	1.10
	100		0.75	1.20	1.19	1.07	1.10	1.09	1.10	1.15
Bradford Rockwool Wall & Floor Batts	60		0.22	0.49	0.96	0.96	1.02	1.08	1.09	0.85
Bradford FIBERTEX™ Rockwool Building Blanket	50		0.24	0.73	0.93	1.10	1.12	1.12	1.14	0.95
Bradford Rockwool SoundScreen™	80		Sound Transmission Loss (dB) @ Frequency (Hz)							
			125	250	500	1000	2000	4000	5000	FSTC R _w
WALL SYSTEM with 70mm timber stud at 600mm cts, 1 layer x 10mm CSR Gyprock® CD Plasterboard each side			19	31	42	49	57	50	54	42 41
WALL SYSTEM with 70mm timber stud at 600mm cts, 1 layer x 10mm CSR Gyprock® Soundchek™ Plasterboard each side			23	32	43	51	59	50	56	45 44

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Maximum Service Temperature

Bradford Insulation products in the residential range are intended for use at temperatures normally prevailing in building structures.

Product	Maximum Service Temperature
Unfaced Products	350°C
Faced Products	70°C (Faced Surface)

Corrosion Resistance

Bradford Glasswool and FIBERTEX™ Rockwool products are faintly alkaline and will not corrode steel. To maintain this condition, protection must be provided against contamination from external sources. Bradford Products are pH tested in accordance with ASTM C871: 1989.

Moisture Resistance

Exposure of Bradford Glasswool and FIBERTEX™ Rockwool to an atmosphere of 500°C and 95% relative humidity for four days results in moisture absorption of less than 0.2% by volume.

Should glasswool or rockwool insulation become wet, full thermal efficiency will be restored on drying out.

Sound Transmission Loss

Bradford Glasswool and FIBERTEX™ Rockwool products are excellent sound insulation materials for the attenuation of noise across walls, floor/ceilings and roof/ceilings. Bradford Insulation offers a range of systems to achieve the desired level of acoustic performance against noise generated within the home or from an outside source.

For details on achieving a desired Weighted Sound Reduction Index (R_w) please refer to the Bradford Insulation Acoustic Design Guide.

Health and Safety Information

Glasswool and Rockwool are the most thoroughly researched building materials available in Australia today. After more than 50 years of medical research around the world there is no evidence of any long term health effects.

CSR Bradford Glasswool and Bradford FIBERTEX™ Rockwool Batts produce minimal VOC and dust emission in normal use, and are endorsed by the Allergy Research Foundation.

NOTES: Special density, custom sizes and facings available on request (subject to minimum order quantities).

For further details on product sizes, packaging or stock availability, or for technical information about other CSR Bradford Insulation products, please refer to the CSR Bradford Insulation office in your region.

CSR Bradford Insulation has a policy of continuous product development, therefore new product information will be distributed for inclusion in the CSR Bradford Insulation Technical Manual as and when available.



Bradford Insulation

CSR Building Solutions Website.

www.csr.com.au/bradford

Manufacturing Facilities.

CSR Bradford Insulation is a leading insulation manufacturer in Australia and Asia with manufacturing facilities located throughout the region.

AUSTRALIA.

- Glasswool factory, Ingleburn NSW.
- Rockwool factory, Clayton VIC.
- Thermofoil factory, Dandenong VIC.

ASIA.

- Glasswool factory, Zhuhai, China.
- Rockwool factory, Dongguan, China.
- Rockwool factory, Rayong, Thailand.
- Rockwool factory, Kuala Lumpur, Malaysia.
- Flexible Duct factory, Singapore.

Sales Offices.

AUSTRALIA.

State	Phone	Fax
Head Office	61 2 9765 7100	61 2 9765 7029
NSW	(02) 9765 7100	(02) 9765 7052
ACT	(02) 6239 2611	(02) 6239 3305
VIC	(03) 9265 4000	(03) 9265 4011
TAS	(03) 6272 5677	(03) 6272 2387
QLD	(07) 3875 9600	(07) 3875 9699
SA	(08) 8344 0640	(08) 8344 0644
NT	(08) 8984 4070	(08) 8947 0034
WA	(08) 9365 1666	(08) 9365 1656

INTERNATIONAL.

Country	Phone	Fax
New Zealand	64 9579 9059	64 9571 1017
Hong Kong	852 2754 0877	852 2758 2005
China (Glasswool)	86 756 551 1448	86 756 551 1447
China (Rockwool)	86 769 611 1401	86 769 611 2900
Thailand	66 2736 0924	66 2736 0934
Malaysia	60 3 3341 3444	60 3 3341 5779
Singapore	65 861 4722	65 862 3533

Health and Safety Information.

Information on any known health risks of our products and how to handle them safely is displayed on the packaging and/or the documentation accompanying them. Additional information is listed in product Material Safety Data Sheets available from your regional CSR Bradford Insulation office or visit our website.

Warranty.

CSR Limited warrants its Bradford Insulation products to be free of defects in materials and manufacture. If a CSR Bradford Insulation product does not meet our standard, we will, at our option, replace or repair it, supply an equivalent product, or pay for doing one of these. This warranty excludes all other warranties and liability for damage in connection with defects in our products, other than those compulsorily imposed by legislation.

CSR Bradford Insulation is a business of CSR Limited A.B.N. 90 000 001 276.

CSR Limited is the owner of the following trade marks. Acousticladd™, Acousticon™, Acoustilag™, Anticon™, Bradfix™, Bradford™, Comfort Plus™, Ductel™, Fibermesh™, Fibertex™, Firesal™, Flexitel™, Flex-skin™, Gold Batts™, Multitel™, Quietel™, SoundScreen™, Spanseal™, Specitel™, Supertel™, Thermoacclad™, Thermofoil™, Thermodeck™, Thermofoil™, Thermokraft™, Thermoplast™, Thermotuff™, Ultratel™.

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