



Martini Absorb

- Thermally bonded polyester fibre insulation specifically designed to provide high performance sound absorption across a range of frequencies.
- Made in a range of densities and thicknesses with fibre blends specifically engineered to provide maximum thermal and acoustic performance in many diverse commercial, residential, community and industrial applications.
- Non-irritant and does not require any protective clothing or masks during installation.
- Available in standard white colour. Black or grey available upon request.

Applications

Absorb is ideal for use behind perforated panelling and ceilings in sports halls, cinemas, studios, industrial enclosures, HVAC ducts, silencers or plant rooms. It is highly effective at reducing echo in rooms and provides consistent sound absorption across the speech range frequencies. Absorb can also be laid above suspended ceilings to reduce flanking noise between rooms.

Absorb can also be used behind decorative woven fabrics as acoustic panels or baffles to cut reverberation and echo in commercial areas where hard surfaces predominate and cause unwanted noise.

Environmental benefits

Absorb is manufactured from thermally bonded polyester fibre with up to 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles. The product is 100% recyclable and has very high reuse potential as insulation. Martini's Product Stewardship Program can be viewed at www.csrmartini.com.au.

- No chemicals or resin binders are used in manufacture.
- Odourless and contains no harmful volatile organic compounds (VOC).
- No waste is generated in manufacture.
- No water or ozone-depleting gases are used in manufacture.
- No chlorides are present in the product.
- Suitable for use in Green Star™ projects.

Acoustic performance Tested in accordance with AS/ISO 354 – 2006

Frequencies	125hz	250hz	500hz	1000hz	2000hz	4000hz	Alpha W	NRC
MD 25	0.14	0.33	0.59	0.79	0.84	0.89	0.60	0.65
MD 50	0.24	0.54	0.90	0.98	1.01	1.06	0.85	0.85
HD 25	0.12	0.29	0.62	0.78	0.91	0.92	0.60	0.65
HD 50	0.22	0.54	1.02	1.07	1.04	1.11	0.90	0.95
HD 75	0.41	0.85	1.15	1.11	1.07	1.16	1.00	1.05
HD 100	0.54	1.12	1.13	0.97	0.94	0.99	1.00	1.00
XHD 25*	0.15	0.35	0.60	0.80	0.85	0.95	0.70	0.70
XHD 50	0.19	0.62	1.01	1.02	0.98	0.96	0.90	0.90
XHD 75*	0.45	0.80	1.00	1.00	1.00	1.00	1.00	1.00
XHD 100	0.60	1.18	1.15	0.99	1.00	1.01	1.00	1.10
XXHD 30	0.11	0.42	0.76	0.89	0.86	0.88	0.70	0.70
XXHD 50	0.23	0.73	0.93	0.93	0.90	0.95	0.95	0.85
XXHD 75	0.40	0.87	0.96	0.95	0.87	0.89	1.00	0.95

*Opinion derived from empirical data.

Flow resistivity Tested in accordance with ASTM C 522-03

Product	MKS RAYL/M
Absorb HD	7,994
Absorb XHD	14,693
Absorb XXHD	21,008





Martini Absorb sheet product information

Product	Thickness (mm)	Length (mm)	Width (mm)	Sheets per pack	m ² per pack	R Value*	White Product Code	Black Product Code
Absorb LD 25	25	2400	1200	12	34.56	0.55	130533	153356
Absorb LD 50	50	2400	1200	6	17.28	1.1	130534	153351
Absorb LD 75	75	2400	1200	4	11.52	1.8	130535	141651
Absorb LD 100	100	2400	1200	3	8.64	2.2	130536	152694
Absorb MD 25#	25	2400	1200	12	34.56	0.6	130537	133525
Absorb MD 50#	50	2400	1200	6	17.28	1.2	130538	133526
Absorb MD 75#	75	2400	1200	4	11.52	1.9	130539	133527
Absorb MD 100#	100	2400	1200	3	8.64	2.5	130540	133528
Absorb HD 25#	25	2400	1200	12	34.56	0.7	130541	133529
Absorb HD 50#	50	2400	1200	6	17.28	1.4	130542	133530
Absorb HD 75#	75	2400	1200	4	11.52	2.1	130543	133531
Absorb HD 100#	100	2400	1200	3	8.64	2.7	130544	133532
Absorb XHD 25#	25	2400	1200	10	28.80	0.7	130567	133533
Absorb XHD 50#	50	2400	1200	6	17.28	1.5	130546	133472
Absorb XHD 75	75	2400	1200	4	11.52	2.2	130547	133534
Absorb XHD 100	100	2400	1200	3	8.6	3.0	130548	131953
Absorb XXHD 30	30	2400	1200	10	28.8	1.0	141444	141445
Absorb XXHD 50	50	2400	1200	3	8.64	1.5	141443	153352
Absorb XXHD 75	75	2400	1200	2	5.76	2.2	153355	153353

*Calculated R-Value (Km²/W)

Denotes compliant to AS 3837, assessed to AS/ISO 9705, achieved Group 1

Physical description and properties

Volatiles:	Nil								
Specific Gravity:	1.38								
Flash Point:	None allocated								
Other Properties:	Non-allergenic, low irritant, low flame response, resilient								
Ingredients:	Organic, long chain synthetic polymer								
Max Service Temp:	150°C								
Alkalinity:	pH 7.8 (pH 7 is neutral)								
Moisture Absorption:	Exposure to an atmosphere of 50°C & 95% RH for four days gives moisture absorption of less than 0.2% by volume								
	Variations marked # are assessed to AS/ISO 9705								
	Group 1								
Fire Resistance:	The following results were obtained when CSR Martini product was subjected to early fire hazard testing in accordance with Australian Standards AS 1530.3								
	<table border="0"> <tr><td>Ignitability</td><td>0</td></tr> <tr><td>Spread of Flame</td><td>0</td></tr> <tr><td>Heat Evolved</td><td>0</td></tr> <tr><td>Smoke Developed</td><td>0-1</td></tr> </table>	Ignitability	0	Spread of Flame	0	Heat Evolved	0	Smoke Developed	0-1
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www.csrmartini.com.au

