



# Martini ABSORB

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High performance sound absorptive insulation

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## Martini Absorb

- Thermally-bonded polyester fibre insulation specifically designed to provide high performance sound absorption across a range of frequencies to reduce echo and reverberation.
- 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 and black colour. Grey available upon request.

## Applications

Martini Absorb is ideal for use behind perforated panelling and behind ceilings in sports halls, cinemas, studios, industrial enclosures, HVAC ducts, silencers or plant rooms.

Martini Absorb can also be laid above suspended ceilings. Absorb is not suitable for fully exposed applications or where a decorative finish is required.

**NOTE:** Product is not suitable for self-supported horizontal applications. Please refer to the Absorb Installation Guide for recommended installation method.

## Environmental Benefits and Credentials

Manufactured from thermally bonded polyester fibre with up to 80% recycled fibre content from post-consumer PET packaging such as empty drink bottles.

- GreenTag<sup>Cert</sup>™ certified
- Environmental Product Declaration (EPD) Certified in accordance with ISO 14025
- Product Health Declaration (PHD) certified
- Declare certified
- Suitable for Green Star™ projects
- No red list chemicals are present
- No ozone-depleting gases are used during the manufacturing process
- Safe, non-irritant, non-toxic, and non-allergenic
- Products are 100% recyclable
- High reuse potential



Martini's Product Stewardship Program can be viewed at [www.csmartini.com.au](http://www.csmartini.com.au)

## Installation

For product installation instructions, please refer to the CSR Martini installation guide available at [csmartini.com.au](http://csmartini.com.au)

## Acoustic Performance

Frequencies	125hz	250hz	500hz	1,000hz	2,000hz	4,000hz	Alpha W	NRC
<b>MD 25</b>	0.14	0.33	0.59	0.79	0.84	0.89	0.60	<b>0.65</b>
<b>MD 50</b>	0.24	0.54	0.90	0.98	1.01	1.06	0.85	<b>0.85</b>
<b>HD 25</b>	0.12	0.29	0.62	0.78	0.91	0.92	0.60	<b>0.65</b>
<b>HD 50</b>	0.22	0.54	1.02	1.07	1.04	1.11	0.90	<b>0.95</b>
<b>HD 75</b>	0.41	0.85	1.15	1.11	1.07	1.16	1.00	<b>1.05</b>
<b>HD 100</b>	0.54	1.12	1.13	0.97	0.94	0.99	1.00	<b>1.00</b>
<b>XHD 25*</b>	0.15	0.35	0.60	0.80	0.85	0.95	0.70	<b>0.70</b>
<b>XHD 50</b>	0.19	0.62	1.01	1.02	0.98	0.96	0.90	<b>0.90</b>
<b>XHD 75*</b>	0.45	0.80	1.00	1.00	1.00	1.00	1.00	<b>1.00</b>
<b>XHD 100</b>	0.60	1.18	1.15	0.99	1.00	1.01	1.00	<b>1.10</b>
<b>XXHD 25</b>	0.11	0.42	0.76	0.89	0.86	0.88	0.70	<b>0.70</b>
<b>XXHD 50</b>	0.25	0.65	0.95	0.95	0.95	0.95	0.95	<b>0.90</b>
<b>XXHD 75</b>	0.40	0.87	0.96	0.95	0.87	0.89	1.00	<b>0.95</b>

Tested in accordance with AS/ISO 354:2006. \*Opinion derived from empirical data.

## Product Specifications

Product	Thickness (mm)	Length (mm)	Width (mm)	Sheets /pack	m <sup>2</sup> /pack
<b>MD 25</b>	25	2400	1200	12	34.56
<b>MD 50</b>	50	2400	1200	6	17.28
<b>MD 75</b>	75	2400	1200	4	11.52
<b>MD 100</b>	100	2400	1200	3	8.64
<b>HD 25</b>	25	2400	1200	12	34.56
<b>HD 50</b>	50	2400	1200	6	17.28
<b>HD 75</b>	75	2400	1200	4	11.52
<b>HD 100</b>	100	2400	1200	3	8.64
<b>XHD 25</b>	25	2400	1200	10	28.80
<b>XHD 50</b>	50	2400	1200	6	17.28
<b>XHD 75</b>	75	2400	1200	4	11.52
<b>XHD 100</b>	100	2400	1200	3	8.6
<b>XXHD 25</b>	30	2400	1200	10	28.8
<b>XXHD 50</b>	50	2400	1200	3	8.64
<b>XXHD 75</b>	75	2400	1200	2	5.76
<b>XXHD 100</b>	100	2400	1200	2	5.76

Absorb FD, and LD 75 and 100 are also available as an un-rated low density product

## Martini Absorb

## Physical Description and Properties

<b>Flash point:</b>	None allocated									
<b>Other properties:</b>	Non-allergenic, low irritant, low flame response, resilient									
<b>Ingredients:</b>	Organic, long chain synthetic polymer									
<b>Max service temp:</b>	150°C									
<b>Alkalinity:</b>	pH 7.8 (pH 7 is neutral)									
<b>Moisture absorption:</b>	Exposure to an atmosphere of 50°C and 95% RH for four days gives moisture absorption of less than 0.2% by volume									
<b>Fire resistance:</b>	<p>Tested to AS ISO 9705 Corner Burn in accordance with AS 5637.1</p> <p>Variations up to XXHD 75mm <b>Group 1-S</b> SMOGRA not more than 100m<sup>2</sup>/s<sup>2</sup> x 1000</p> <p>XXHD 100mm <b>Group 2-S</b> SMOGRA not more than 100m<sup>2</sup>/s<sup>2</sup> x 1000</p> <p>Early fire hazard testing in accordance with AS 1530.3. Variations of Martini Absorb XHD 75 and higher achieve</p>	<table> <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>2</td> </tr> </table>	Ignitability	0	Spread of Flame	0	Heat Evolved	0	Smoke Developed	2
Ignitability	0									
Spread of Flame	0									
Heat Evolved	0									
Smoke Developed	2									
	<p>Variations of Martini Absorb XHD 50 and below achieve</p>	<table> <tr> <td>Ignitability</td> <td>10</td> </tr> <tr> <td>Spread of Flame</td> <td>0</td> </tr> <tr> <td>Heat Evolved</td> <td>1</td> </tr> <tr> <td>Smoke Developed</td> <td>3</td> </tr> </table>	Ignitability	10	Spread of Flame	0	Heat Evolved	1	Smoke Developed	3
Ignitability	10									
Spread of Flame	0									
Heat Evolved	1									
Smoke Developed	3									

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