martini

Martini ABSORB

High performance sound absorptive insulation

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CSR

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 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^{CertTM} 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.csrmartini.com.au

Installation

For product installation instructions, please refer to the CSR Martini installation guide available at csrmartini.com.au

Acoustic Performance

Frequencies	125hz	250hz	500hz	1,000hz	2,000hz	4,000hz	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 25	0.11	0.42	0.76	0.89	0.86	0.88	0.70	**0.70**
XXHD 50	0.25	0.65	0.95	0.95	0.95	0.95	0.95	**0.90**
XXHD 75	0.40	0.87	0.96	0.95	0.87	0.89	1.00	**0.95**

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^2 /pack
MD 25	25	2400	1200	12	34.56
MD 50	50	2400	1200	6	17.28
MD 75	75	2400	1200	4	11.52
MD 100	100	2400	1200	3	8.64
HD 25	25	2400	1200	12	34.56
HD 50	50	2400	1200	6	17.28
HD 75	75	2400	1200	4	11.52
HD 100	100	2400	1200	3	8.64
XHD 25	25	2400	1200	10	28.80
XHD 50	50	2400	1200	6	17.28
XHD 75	75	2400	1200	4	11.52
XHD 100	100	2400	1200	3	8.6
XXHD 25	30	2400	1200	10	28.8
XXHD 50	50	2400	1200	3	8.64
XXHD 75	75	2400	1200	2	5.76
XXHD 100	100	2400	1200	2	5.76

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

Physical Description and Properties

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 and 95% RH for four days gives moisture absorption of less than 0.2% by volume

Fire resistance:

Tested to AS ISO 9705 Corner Burn in accordance with AS 5637.1	Variations up to XXHD 75mm **Group 1-S** SMOGRA not more than $100m^2/s^2$ x 1000	
	XXHD 100mm **Group 2-S** SMOGRA not more than $100m^2/s^2$ x 1000	
Early fire hazard testing in accordance with AS 1530.3. Variations of Martini Absorb XHD 75 and higher achieve	Ignitability	0
	Spread of Flame	0
	Heat Evolved	0
	Smoke Developed	2
Variations of Martini Absorb XHD 50 and below achieve	Ignitability	10
	Spread of Flame	0
	Heat Evolved	1
	Smoke Developed	3

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