



0448 350 350

info@volumecontrol.com.au

www.volumecontrol.com.au

DATA SHEET

- Thermally bonded polyester insulation specifically designed to provide high performance acoustic absorption across a broad range of frequencies.
- Made in a range of densities and thicknesses with fibres specifically engineered to provide maximum thermal and acoustic performance in many diverse commercial, residential, community and industrial applications.
- Available in standard white or optional black.

Applications

- 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 even sound absorption across the speech range frequencies.
- It is perfect for use behind decorative woven fabrics to cut reverberation and echo in commercial areas where hard surfaces predominate and cause unwanted noise.
- It can also be laid above suspended ceilings to reduce flanking noise between rooms.

Environmental Benefits

- It has a minimum of 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.
- No chemicals or phenol formaldehyde 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.





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Acoustic performance to AS 1045

Frequencies hz	125	250	500	1000	2000	4000	NRC
HD 25	0.10	0.30	0.60	0.80	0.90	0.90	0.65
HD 50	0.20	0.60	1.00	1.00	1.00	1.00	0.95
HD 75	0.40	0.85	1.00	1.00	1.00	1.00	1.00
HD 100	0.55	1.00	1.00	1.00	0.95	1.00	1.00
XHD 25*	0.15	0.35	0.60	0.80	0.85	0.95	0.70
XHD 50	0.20	0.60	1.00	1.00	0.95	0.95	0.90
XHD 75*	0.45	0.80	1.00	1.00	1.00	1.00	1.00
XHD 100	0.60	1.00	1.00	1.00	1.00	1.00	1.00

*Acoustic performance based on empirical data and expert opinion

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)
	Exposure to an atmosphere of so-c & 95% RH for four days gives moisture absorption of less than 0.2% by volume

Fire Resistance

Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke Developed	0-1

The results were obtained when the products were subjected to early fire hazard testing in accordance with Australian Standards AS1530.3

This product meets all requirements of the BCA for all insulation applications.