

ECHOSORB®



PANELS AND
BAFFLES



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GROUND FLOOR, 6A NELSON STREET, ANNANDALE NSW 2038



**Acoustica
Projects**

KEY BENEFITS

- Easily installed
- Lightweight construction - can be safely hung from the roof or ceiling structure

APPLICATIONS

- Air-conditioning units
- Multipurpose halls e.g., assembly, scout, school, university
- Indoor swimming pools
- Sports areas
- Factories & machine shops
- Noise absorption in plant rooms
- Theatre
- Cinema
- Studio booths
- Hearing testing booth
- Classrooms
- Music practice areas
- Meeting rooms
- Office
- Work station

DESCRIPTION

EchoSorb® 25 and 50 is an acoustical sound-absorbing material that improves the acoustical comfort of large rooms and offers a quick, easy, and cost effective way to control reverberation.

Reduce annoying echoes, improve speech clarity, cut down on workplace noise for concentration or break rooms.

FEATURES

- Echosorb® panels come in black or white core with the option of 30 different coloured fabrics.
- Does not require a frame or facing
- Installed with glue - no need to be framed or have facing attached (Panels)
- Dimensions:
 - 2.4m x 1.2m
 - 1.2m x 1.2m
 - 1.2m x 0.6m
 - 0.6m x 0.6m
- Thickness and Weight (for full sheets): 25mm - 2.3kg, 50mm - 3.8kg (size 75mm + 100mm available on special order)
- Echosorb® products contain a minimum of 45% previously recycled polyester fibre (from PET bottle-flake).
- Off-cuts and manufacturing waste are re-used or recycled wherever possible.
- Uncontaminated panels can be recycled.
- Echosorb® is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Our polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

STANDARD FIRE RATING

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m²/s

As required by NZBC C/VM2

AS ISO 9705 – 2003

Classification: Group 1

(SMOGR_{Arc}): <100m²/s²

Assessed using methodology

ASISO 9705:2003 in accordance

with AS5637.1:2015, as required by

BCA Specification C1.10-4.

FI 4871 dated 11th July 2012

and FAR 4055-2 dated

8th October, 2013

EN13501-1:2007 (24mm Echosorb®)

B – s₂, d₀

Report 185157 dated 22nd July 2009

EN13501-1:2007+A1:2009 (50mm

Echosorb®)

B – s₂, d₀

Report WF 336912 dated 25th

February, 2014

VOC EMISSIONS

Our polyester has been tested by Cetec PTY LTD (Report: CV170908) for chemical emission and is classified as low VOC.

VOC CONCENTRATION

0.009mg/m³ (7days)

SCORE AND TEST RESULTS

Frequency (Hz)	125	250	500	1000	2000	4000
EchoSorb® 25mm	0.12	0.47	0.88	0.98	0.99	0.93
EchoSorb® 50mm	0.24	0.76	1.09	1.05	1.01	1.00

Noise Reduction Coefficient (NRC) for EchoSorb® 25 & 50

