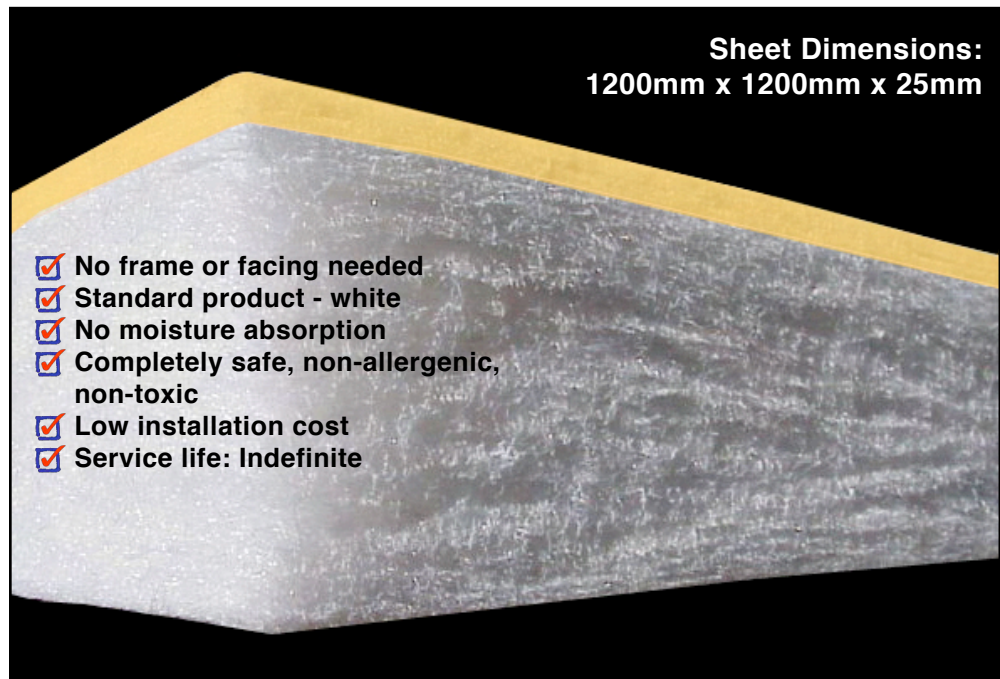


## ECHOSORB® 25

Sound Reverberation Control for Large Areas, Such as Assembly Halls, Indoor Swimming Pools, Indoor Sport Areas, etc



### The Latest in Reverberation Control Design

The use of Echosorb® 25 in typical features of factories and halls can reduce the overall noise by up to 10-12 dB. This represents a reduction in noise levels of about 50%!

Echosorb® 25 is lightweight (at 1.9kg/m<sup>2</sup>) & makes the hanging of baffles from the roof/ceiling structure extremely safe as it is below the Roof Safe Load (RSL) limit.

Echosorb® 25 is non-toxic, non-allergenic and has a surface skin to prevent the migration of fibres, even in high airflows.

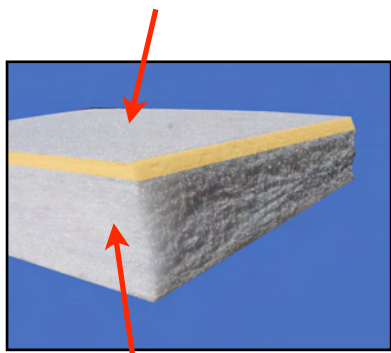
Echosorb® 25 is 25mm thick and faced with high density polyester at 300 kg/m<sup>3</sup>, providing excellent sound absorption for medium to low frequencies.

Grd Flr 6A Nelson St  
Annandale NSW 2038  
Australia

Ph: 1300 722 825  
+61 2 9550 2900  
Fax: +61 2 9550 5665

info@acoustica.com.au

300 kg/m<sup>3</sup> extremely high density sound absorber offering additional protection

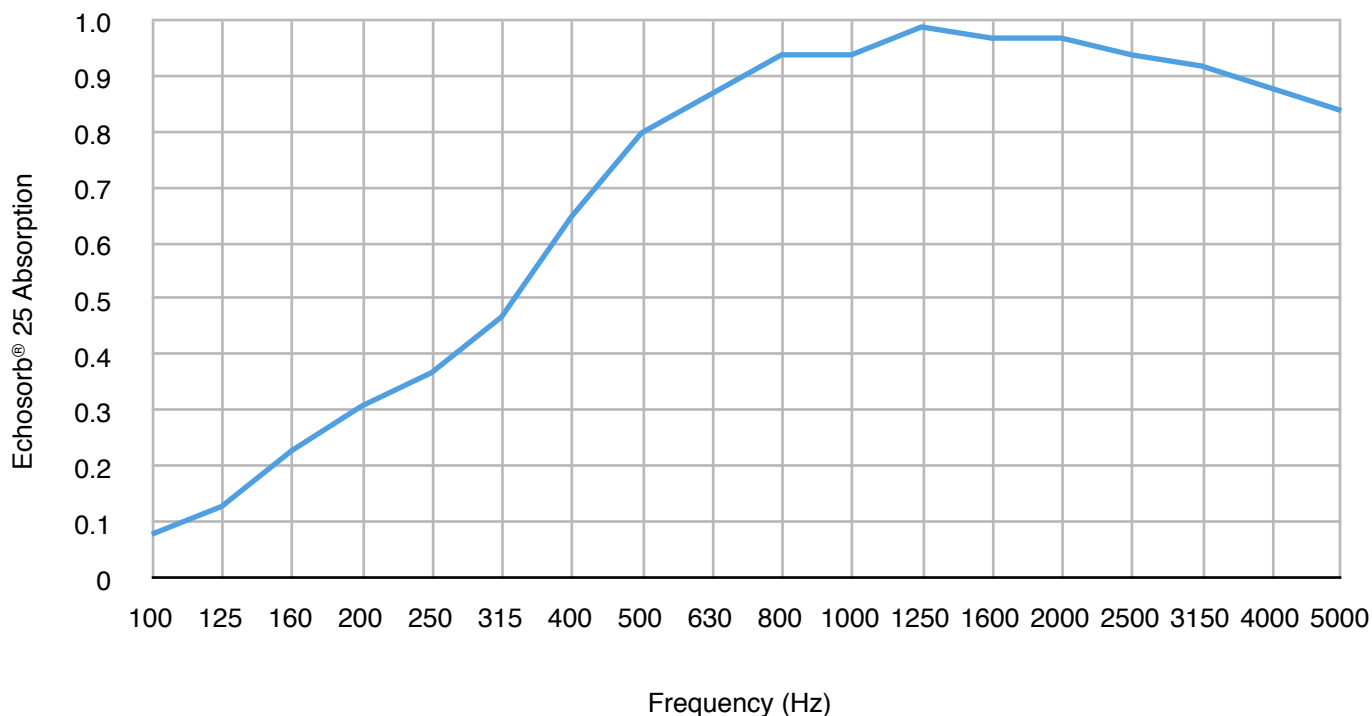


60 kg/m<sup>3</sup> high density sound absorber

No known physical or health hazards associated with this product. Acoustica® Thermal White Batts have been tested for Toxicity by Skin Tests on Humans and Laboratory Feded Tests. No toxic reactions have been observed, no adverse health effects have been reported which can be attributed to this product

Frequency (Hz)	Echosorb® 25 (unrounded)
100	0.08
125	0.13
160	0.23
200	0.31
250	0.37
315	0.47
400	0.65
500	0.80
630	0.87
800	0.94
1000	0.94
1250	0.99
1600	0.97
2000	0.97
2500	0.94
3150	0.92
4000	0.88
5000	0.84
NRC	0.77

Absorption Coefficient for Echosorb® 25 Faced Polyester





## ECHOSORB® ACOUSTIC ABSORBER/BAFFLE

Sound Reverberation control including large areas. Typical overall noise reduction up to 10-12dB, representing a reduction in noise levels around 50%

EchoSorb® is ideal for:

- Outdoor use
- Air-conditioning units
- Community facilities including Assembly Halls, Indoor Swimming Pools and Sports Areas
- Factories and Machine Shops
- Noise Absorption in Plant Rooms
- Work stations and free-standing panels



EchoSorb® is easily installed and does not require a frame or facing. Due to its lightweight construction it can be safely hung from the roof or ceiling structure.

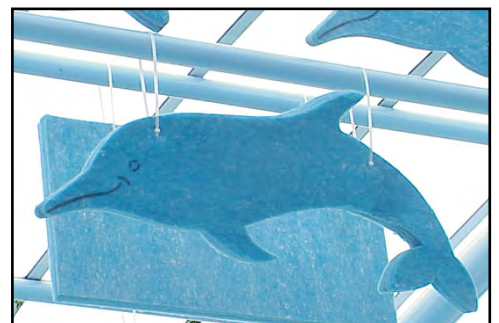
EchoSorb® is unaffected by water and has an indefinite service life.

## ECHOSORB® DOLPHIN

Available in blue and in the shape of a dolphin, EchoSorb® Dolphin is an ideal architectural complement for indoor swimming pools.

At 50 mm thick and with a partially melted skin to prevent migration of fibres, and a density of 48 kg/m<sup>3</sup>, the EchoSorb® Dolphin comes ready for installation.

The EchoSorb® Dolphin is 1350 mm long, weighs 500 g and has an absorption performance (NRC) of 0.8



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Acoustica's EchoSorb® 25 and EchoSorb® HD 12 are both designed to combat noise in the medium to low frequency region.

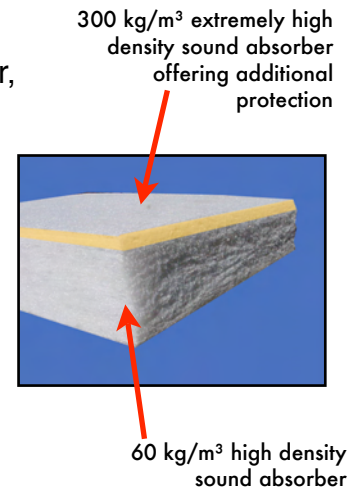
Low frequency noise can be particularly irritating and stressful. Low frequency sound can be caused by traffic and aircraft noise, industrial noise, such as pumps, fans and boilers, and noise from amplified music. Sometimes low frequency noise can cause structural vibration and set up rattling.

## ECHOSORB® 25

EchoSorb® 25 sheet consists of 25 mm thick high density polyester, with a density of 300 kg/m<sup>3</sup>, and provides excellent sound absorption in medium to low frequencies.

Hang EchoSorb® 25 as a baffle, or glue to ceilings or walls. The hard surface can be painted, covered by fabric or simply left as is. As EchoSorb® 25 is water resistant it is suitable for outdoor use as a sound absorber for machinery such as air-conditioning units.

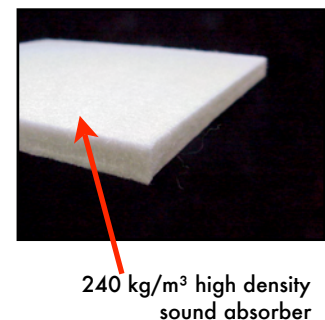
Echosorb® 25 comes in sheets of 1200 x 1200 x 25 mm.



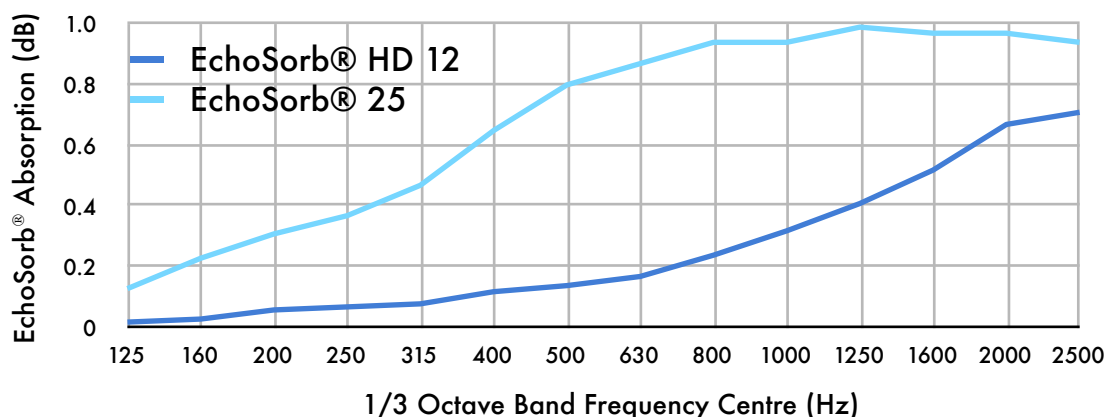
## ECHOSORB® HD 12

EchoSorb® 12 sheet consists of 12 mm thick high density polyester and with a density of 240 kg/m<sup>3</sup> and, like 25, provides excellent sound absorption in medium to low frequencies.

While having slightly lower absorption qualities than EchoSorb® 25, EchoSorb® HD 12 is ideal for applications where space is a concern. Typical applications include work-station partitioning and free standing panels covered with fabric. For sound absorption that saves space Acoustica® recommends EchoSorb® HD 12.



Echosorb® HD 12 comes in sheets of 1200 x 1200 x 12 mm.



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