

# EchoSorb<sup>®</sup>

acoustic baffles



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acoustic baffles

**EchoSorb baffles provide sound reverberation control for large areas.**  
**The typical overall noise reduction can be up to 10-12db which represents a noise reduction of around 50%.**

## EchoSorb® baffles

EchoSorb baffles can be made to virtually any shape making it an ideal architectural compliment for large areas such as indoor aquatic centres. An example of this unique application is a baffle in a dolphin shape. At 50mm thick and with a partially melted skin to prevent the migration of fibres and a density of 48kg/m<sup>3</sup>. The EchoSorb baffle in the shape of a dolphin is 1350mm long and weighs only 500g with an absorption performance (NRC) of 0.8.

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® is ideal for:

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



## EchoSorb® 25

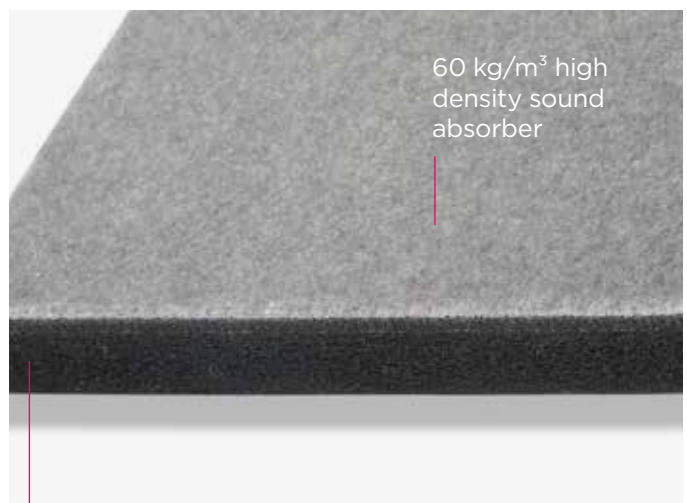
Acoustica's EchoSorb® 25 and EchoSorb® HD 12 are both designed to combat noise in the medium to low frequency region.

### EchoSorb® 25

EchoSorb® 25 sheet consists of 25 mm thick high density polyester, with a density of  $300 \text{ kg/m}^3$ , 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  $1200 \times 1200 \times 25 \text{ mm}$ .



$60 \text{ kg/m}^3$  high density sound absorber

$300 \text{ kg/m}^3$  extremely high density sound absorber offering additional protection



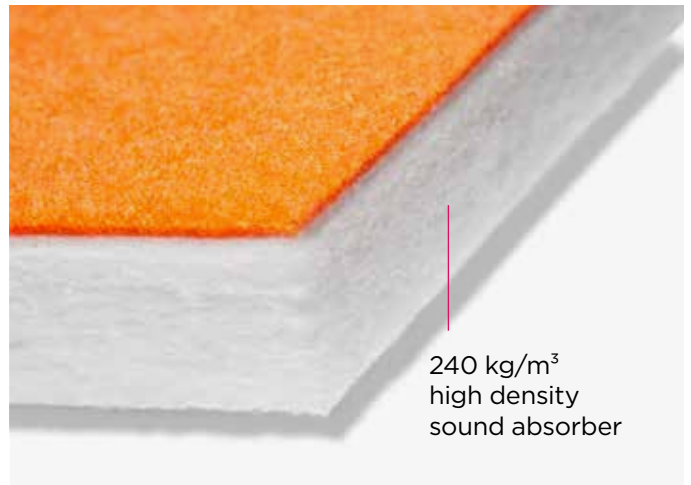
## EchoSorb® 12

### EchoSorb® 12

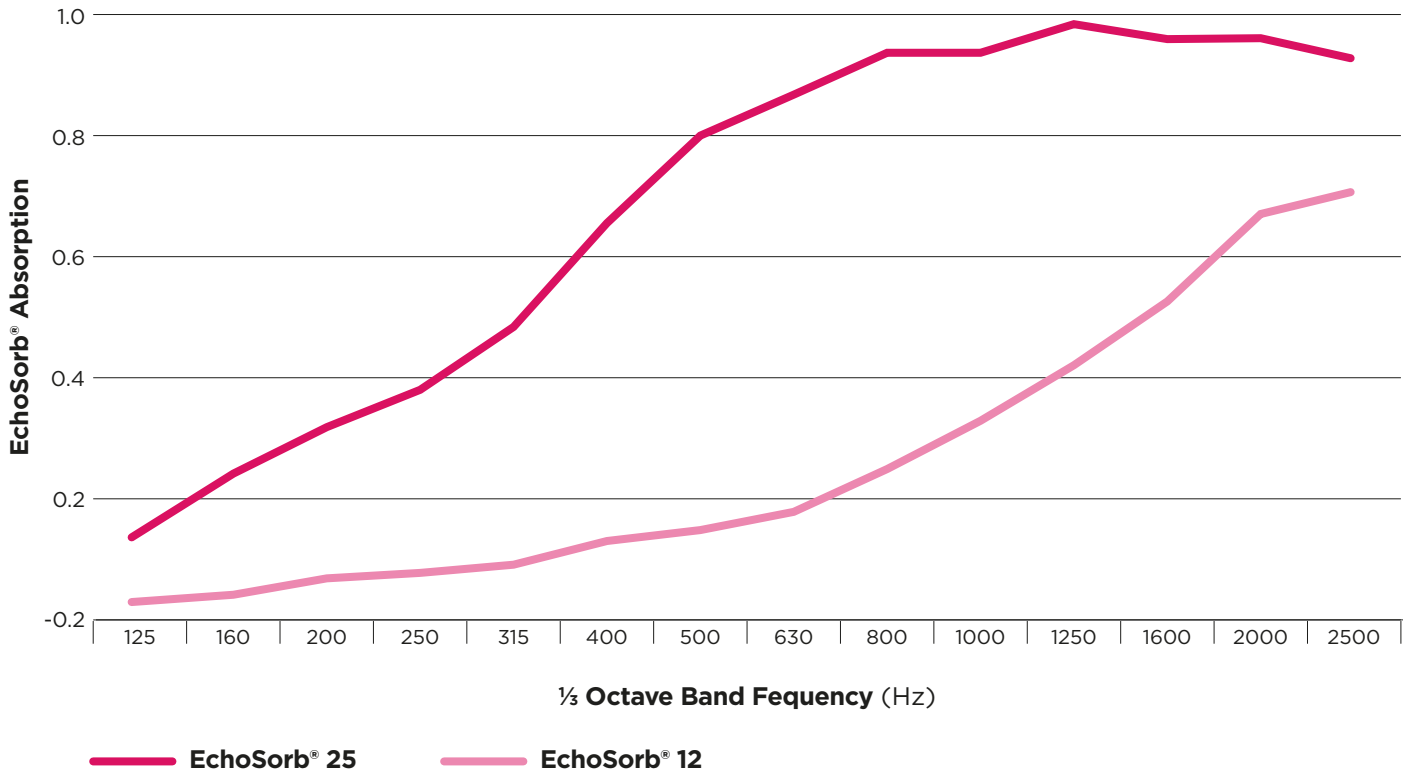
EchoSorb® 12 sheet consists of 12 mm thick high density polyester and with a density of  $240 \text{ kg/m}^3$  and, like 25, provides excellent sound absorption in medium to low frequencies.

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 1200x1200x12 mm.



# EchoSorb® Absorption



**Note: The higher the absorption rate (NRC), the better acoustic result is achieved.**





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