

# EchoSorb-HD<sup>®</sup>

## 6 & 12

sound absorption panels



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sound absorption panels

**EchoSorb-HD® 6 & 12 have been designed to reduce and control sound reverberation noise (echo) for inside buildings. Particularly ideal for workstations and office environments.**

## **Latest in Reverberation Control Design**

The use of EchoSorb® HD 6 & 12 in typical features of offices, workstations and halls can reduce the overall noise by up to 10-12 dB. This represents a reduction in noise levels of up to 50%.

EchoSorb® HD 12 is lightweight (at 2kg/m<sup>2</sup>).

EchoSorb® HD 6 & 12 are non-toxic, non-allergenic and have a surface skin to prevent the migration of fibres, even in high airflows. They are not affected by moisture or mould.

EchoSorb® HD 6 is 6mm and HD 12 is 12 mm thick high density polyester at 200kg/m<sup>3</sup>, providing excellent sound absorption for medium to high frequencies.

Maintenance and care is easy. Blot spills from fabric quickly and wipe with a damp cloth. For Custom printed artwork, images or design workstations, call one of Acoustica's representatives for further advice.

EchoSorb® is ideal for acoustic and pinboard surface for modular office partitioning. When framed it could be used as privacy and noise control room dividers or display panels.

Functional and decorative acoustic wall covering for commercial interiors, retail and educational applications.

### **Standard Sheet dimensions:**

1200x1200x6mm or 12mm  
1200 x2400x6mm or 12mm





## Key benefits

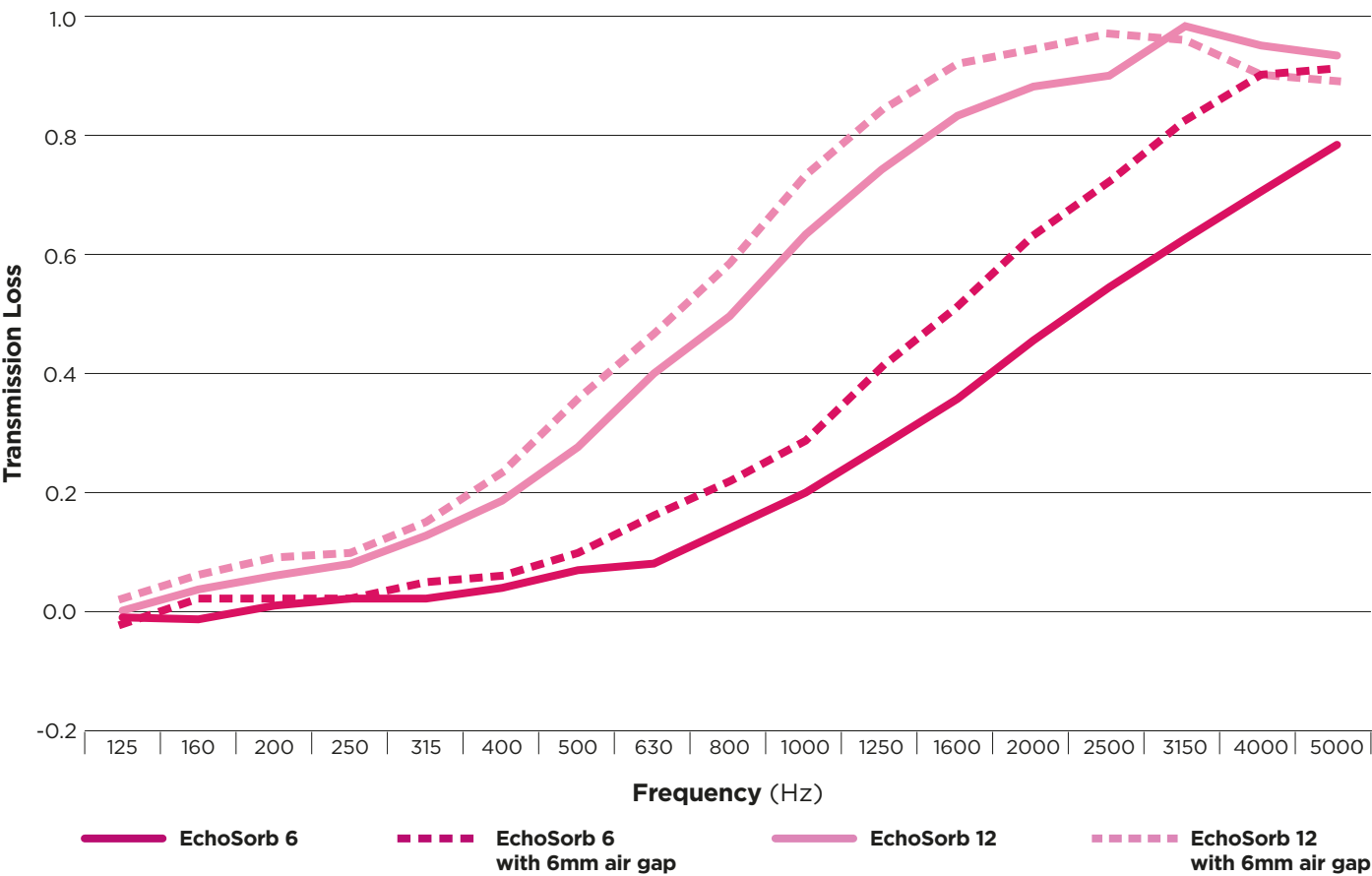
- No frame or facing needed
- Standard product – white
- 14 Fabric colours available
- May be printed on (optional)
- No moisture absorption
- Completely safe, non-allergenic, non-toxic
- Low installation cost
- Long service life

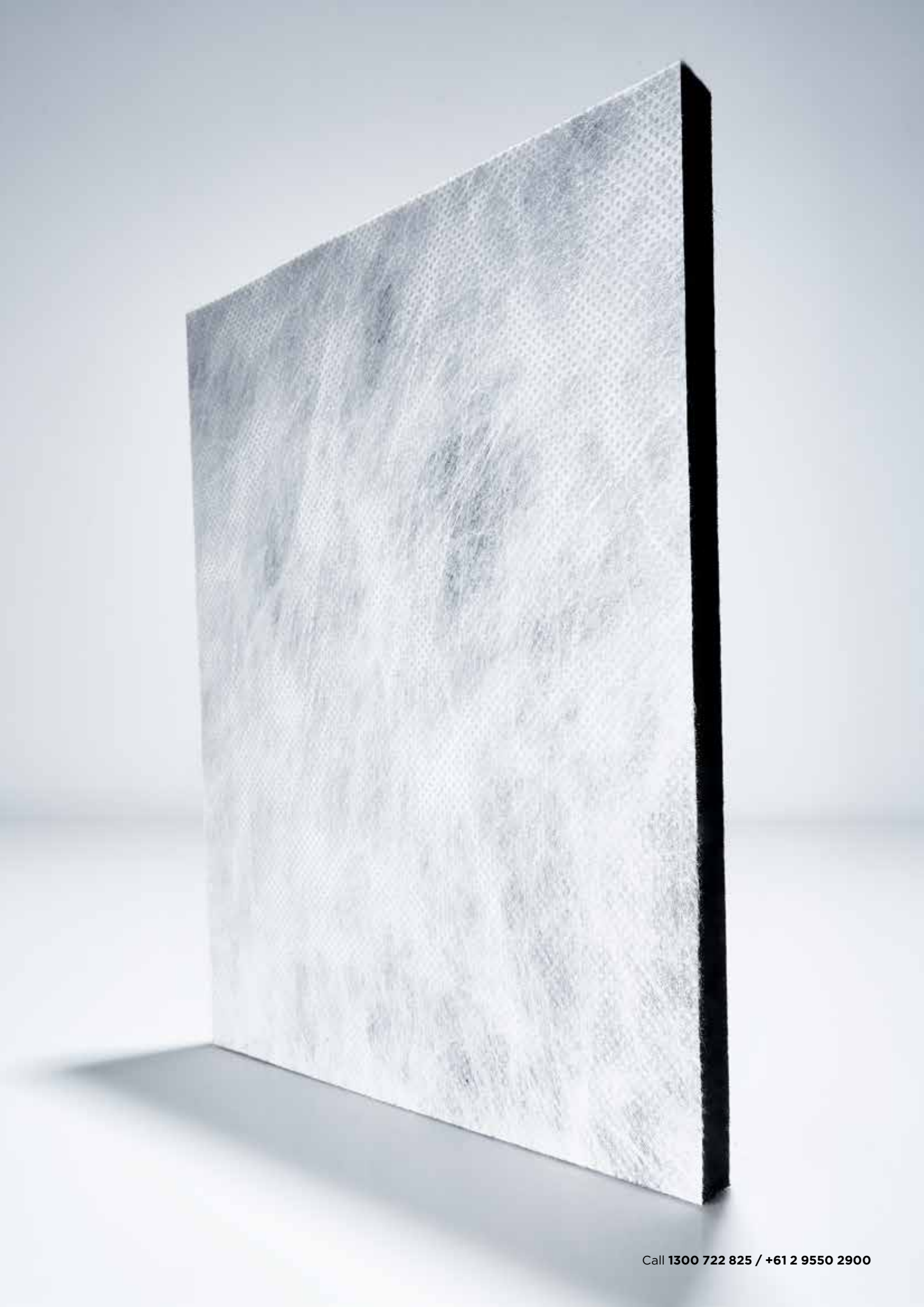
# Sound Transmission Loss

| Frequency (Hz) | EchoSorb® 6<br>(no air gap) | EchoSorb® 6<br>(6mm air gap) | EchoSorb® 12<br>(no air gap) | EchoSorb® 12<br>(6mm air gap) |
|----------------|-----------------------------|------------------------------|------------------------------|-------------------------------|
| 125            | -0.01                       | -0.02                        | 0.00                         | 0.02                          |
| 160            | -0.01                       | 0.02                         | 0.04                         | 0.06                          |
| 200            | 0.01                        | 0.02                         | 0.06                         | 0.09                          |
| 250            | 0.02                        | 0.02                         | 0.08                         | 0.10                          |
| 315            | 0.02                        | 0.05                         | 0.13                         | 0.15                          |
| 400            | 0.04                        | 0.06                         | 0.19                         | 0.23                          |
| 500            | 0.07                        | 0.1                          | 0.28                         | 0.36                          |
| 630            | 0.11                        | 0.16                         | 0.40                         | 0.47                          |
| 800            | 0.14                        | 0.22                         | 0.50                         | 0.59                          |
| 1000           | 0.20                        | 0.29                         | 0.64                         | 0.74                          |
| 1250           | 0.28                        | 0.41                         | 0.75                         | 0.85                          |
| 1600           | 0.36                        | 0.52                         | 0.84                         | 0.93                          |
| 2000           | 0.46                        | 0.64                         | 0.89                         | 0.95                          |
| 2500           | 0.55                        | 0.73                         | 0.91                         | 0.98                          |
| 3150           | 0.63                        | 0.83                         | 0.99                         | 0.97                          |
| 4000           | 0.71                        | 0.90                         | 0.96                         | 0.91                          |
| 5000           | 0.79                        | 0.92                         | 0.94                         | 0.90                          |
| NRC            | 0.20                        | 0.25                         | 0.45                         | 0.55                          |

There are no known physical or health hazards associated with this product. Made from 100% polyester fibres (including a high proportion of previously recycled fibres). Recyclable and environmentally friendly. Safe, non-toxic, non-irritant and will not off-gas VOC's providing safer indoor air quality. Offers complete design flexibility with our ability to provide cut shapes and custom colour printing.

## Absorption Coefficient for EchoSorb-HD® 6 & 12







## Colour options



**Bark**



**Blazing Red**



**Brilliant Orange**



**Charcoal**



**Electric Blue**



**Fawn**



**Granny Smith**



**Porcelain**



**Stately**



**Atlantis**



**Avocado**



**Myst**



**Silver**



**Calypso**

**QuietSpace®** may be digitally printed with your logo, favourite picture or desired decor.



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**Acoustica Projects Pty Limited**  
**6a Nelson Street**  
**Annandale NSW 2038**  
**Australia**

**+61 2 9550 2900**

**[acousticaprojects.com.au](http://acousticaprojects.com.au)**