

EchoSorb[®]

25 & 50

sound absorption panels



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Offering superior sound absorption for large spaces, EchoSorb® acoustic panels can reduce noise levels by up to 50% making it an ideal solution for halls, auditoriums, theatres and leisure centres.

Latest in Reverberation Control Design

EchoSorb® 25 & 50 is ideal for wall and ceiling applications and are available surface finished with Vertiface fabric, or utilising the latest print technology, any image, colour or design can be printed onto the panels.

When applied correctly EchoSorb® 25 & 50 can reduce the overall noise by up to 10-12 dB. This represents a reduction in noise levels of up to 50%.

EchoSorb® 25 is 25mm thick and lightweight (at 2.3kg/m²), EchoSorb® 50 is 50mm (at 3.8kg/m²) and makes the hanging of baffles from the roof/ceiling structure safe as it is below the Roof Safe Load (RSL) limit.

EchoSorb® 25 & 50 are non-toxic, non-allergenic and have a surface skin to prevent the migration of fibres, even in high airflows.

EchoSorb® 25 & 50 are faced with high density polyester at 300 kg/m³, providing excellent sound absorption for medium to low frequencies.

Standard Sheet dimensions:

1200x1200x25mm or 50mm
1200x2400x25mm or 50mm



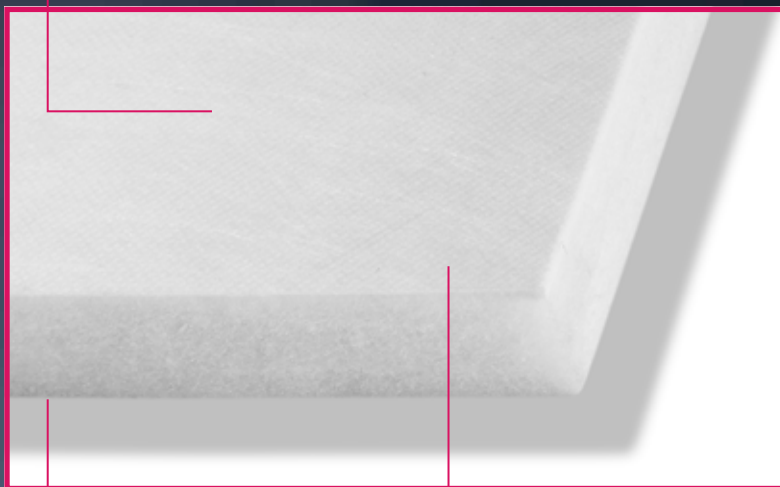


Key benefits

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

Superior Absorption

300 kg/m³ extremely high density sound absorber offering additional protection



60 kg/m³ high density sound absorber

Any design or picture can be printed onto the surface, giving you the ultimate interior finish

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.

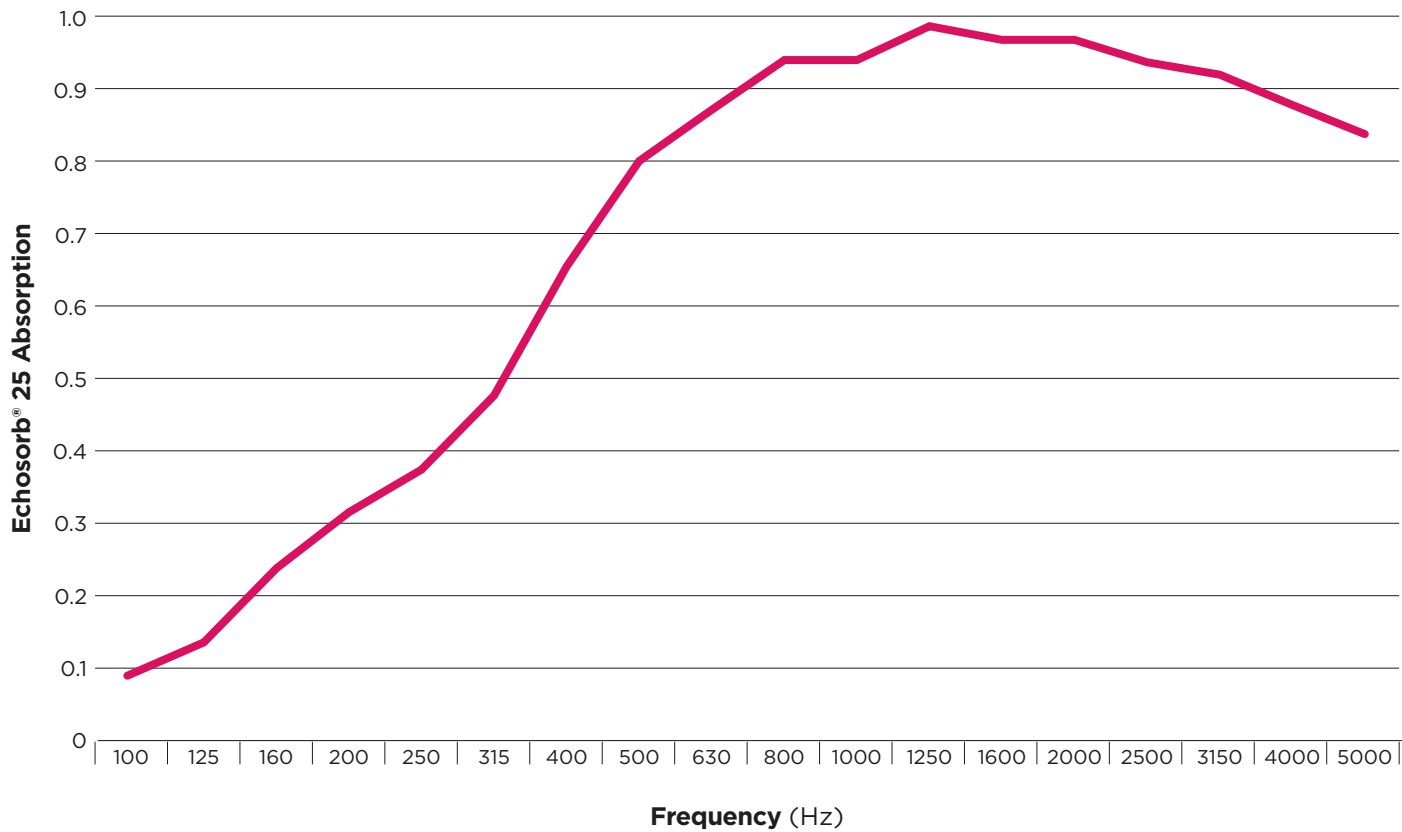
**With the ability to
create a multitude
of different designs,
EchoSorb panels offer
exceptional design
freedom and ease
of installation.**



Sound Transmission Loss

| 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



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