

ECHOHUSH BOARD

acoustic board for harsh environments

Echohush Board is composed of high-density material manufactured from 100% polyester fibres. It is a lightweight, semi-rigid panel allowing maximum flexibility in applications and complete solutions. Due to its composition, the panel is non-toxic, non-allergenic and non-irritant, meaning it is a product that is safe to handle.

Echohush Board is suited for any application where a robust finish or protective porous lining, critical to optimising acoustic performance, is required. Being semi-flexible allows the material to be folded into shapes, follow uneven surfaces or form a curvature, giving a clean and neat finish. In wet environments, additional aluminium facing can be applied to the surface to ensure water resistance and heat reflecting properties, in engine bays or anywhere where elevated temperature resistance is required.

Acoustic performance can be further enhanced by utilising an insulation blanket or even an air pocket behind the board.

Depending on the application, the board can be installed using self-adhesive for a smooth surface finish or hanger pins where mechanical fixing is required.

SPECIFICATIONS

Colour	Black and White
Available	Panel thickness: 5, 7 mm



applications

- Engine bay linings
- Interior trim fit out
- Wheel arch liners
- Pinboards
- Framed acoustic partitions
- Wall coverings
- Child play areas

features

- Lightweight, easy and safe to handle
- Made from 100% polyester fibre
- Superior flame resistance certified to EN13501-1
- Non-toxic, non-irritant and non-allergenic
- Manufactured under ISO 9001 Quality Systems
- Can be used as a pinboard
- High acoustic performance

PRODUCT SPECIFICATIONS

Product thickness	Board weight (kg)	Board length (m)	Board width (m)	Thermal conductivity (W/m.K)	Operating temperature (deg C)
5 mm	0.1 - 6.3	0.25 - 2.1	0.4 - 3.0	0.037	-40 to 110
7 mm					

Tolerances: Width: +/-1mm, Length +/-8mm, Weight +/-10%

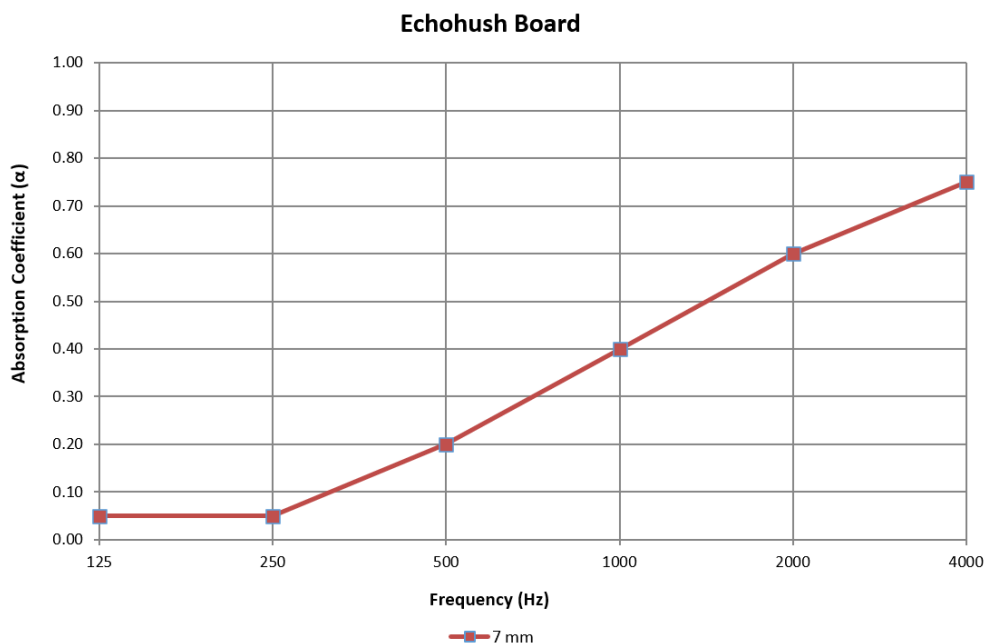
MATERIAL PROPERTIES

Product	Test method	Property	Results
Echohush Board (5-7mm)	EN 13501.-1 2019-02	Reaction to fire	B, s2, d0

ACOUSTIC PERFORMANCE

Frequency (Hz)	7 mm
125	0.05
250	0.05
500	0.20
1000	0.40
2000	0.60
4000	0.75
NRC	0.30

Tested to ISO 354:2006



For further information
and contact details,
please visit our website
pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See pyroteknc.com/disclaimer.

