

ECHOHUSH BOARD

acoustic board for open-plan interior design

Echohush Board is composed of high-density material manufactured from 100% polyester fibres. It is a lightweight, semi-rigid panel that allows for 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 open office environment, as a partitioning divider or even as a pre-finished acoustic panel, which allows flexibility for the design layout in an open office or any commercial interior. It can also serve as a pin board.


The acoustic performance of Echohush Board offers privacy in open office environments, reduce reverberated sound and assists in lowering cross-talk in open plan areas - improving speech intelligibility and comfort of occupants.

Echohush Board supports different facings to complement and blend with commercial and retail interiors.

ENVIRONMENTAL CREDENTIALS

- 60% post-consumer recycled PET
- Custom sizes & supply in predesigned kits are available to reduce production waste
- VOC Emissions - refer to CETEC certificate

SPECIFICATIONS

Colour	<p>Black (Standard) White (depending on MOQ) Facings available NW or as per the captive range:</p> 
Available	<p>Panel thickness: 7, 12, 25, 50 mm Panel dimension: 2400 mm x 1200 mm</p>

DISCLAIMER: Electronic reproduction of colours can vary dramatically. We strongly advise that you view actual samples before final selection. Please contact your local Pyrotek representative for non-standard colours.



applications

- Most commercial interiors including office and retail
- Decorative and functional acoustic wall covering for education, retail, and commercial interiors
- Framed for freestanding, or direct fix acoustic panel
- Acoustic and pinboard surface for modular office partition panelling
- Workstation panels

features

- Lightweight, easy and safe to handle
- Made from 100% polyester fibre
- Superior flame resistance certified to ISO 9705
- Non-toxic, non-irritant and non-allergenic
- Manufactured under ISO 9001 Quality Systems
- Variety of facings available as per Captivate range
- Can be used as a pinboard
- High acoustic performance



PRODUCT SPECIFICATIONS

Product thickness	Board weight	Board Dimensions*	Composition
12 mm (0.5 in)	6.9 kg (15.2 lbs)	2400 x 1200 mm (94.5 x 47.2 in)	100% Polyester Fibre (PET)
25 mm (1 in)	8.6 kg (19 lbs)		
50 mm (2 in)	17.2 kg (37.9 lbs)		

Tolerances: Thickness $\pm 10\%$; Weight $\pm 10\%$; Dimensions $\pm 1\%$. *Custom sizes available for large orders. Manufacture can vary by region. Product or parts may be manufactured under agreement with a third party, meeting general specifications listed within the technical datasheet.

MATERIAL PROPERTIES

Product	Test method	Property	Report	Results
Echohush Board 12 mm	ISO 9705	Full-scale room test for resistance to fire on surface products.	11622RV/FI 5587	NCC: Group 1 NZBC: Group 1-s
Echohush Board 7 mm	ISO 9705		11622RV/FAR 4380	NCC: Group 1 NZBC: Group 1-s
Captivate Facing	ISO 9705		11222RV2/FI 5588	NCC: Group 1 NZBC: Group 1-s

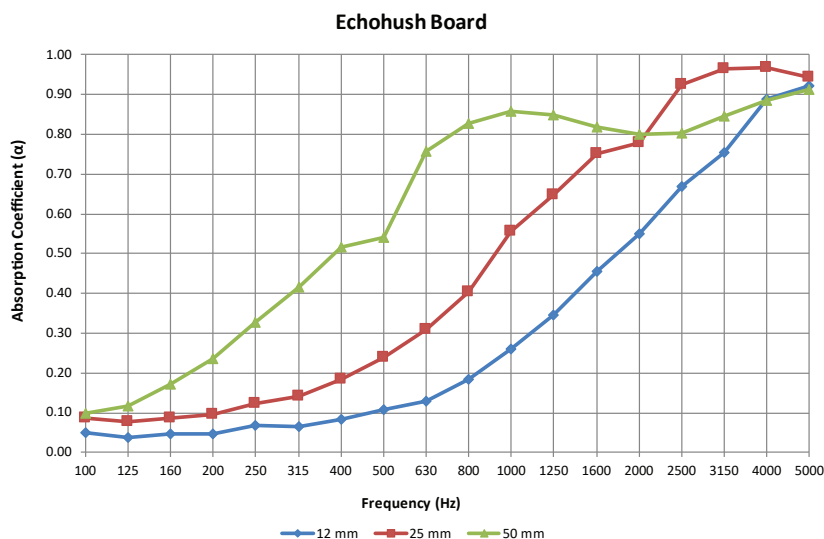
Testing based on Echohush Board

ACOUSTIC PERFORMANCE

Frequency (Hz)	12 mm	25 mm	50 mm
100	0.05	0.09	0.10
125	0.04	0.08	0.12
160	0.05	0.09	0.17
200	0.05	0.09	0.24
250	0.07	0.12	0.33
315	0.06	0.14	0.42
400	0.08	0.19	0.52
500	0.11	0.24	0.54
630	0.13	0.31	0.76
800	0.18	0.40	0.83
1000	0.26	0.56	0.86
1250	0.35	0.65	0.85
1600	0.46	0.75	0.82
2000	0.55	0.78	0.80
2500	0.67	0.92	0.80
3150	0.76	0.96	0.85
4000	0.89	0.97	0.89
5000	0.92	0.94	0.91
NRC	0.25	0.45	0.65
SAA	0.25	0.43	0.65
α_w	0.20 (H)	0.30 (MH)	0.60 (MH)

Tested to ASTM E1050-12

Report Numbers: 20716AR & 20816AR

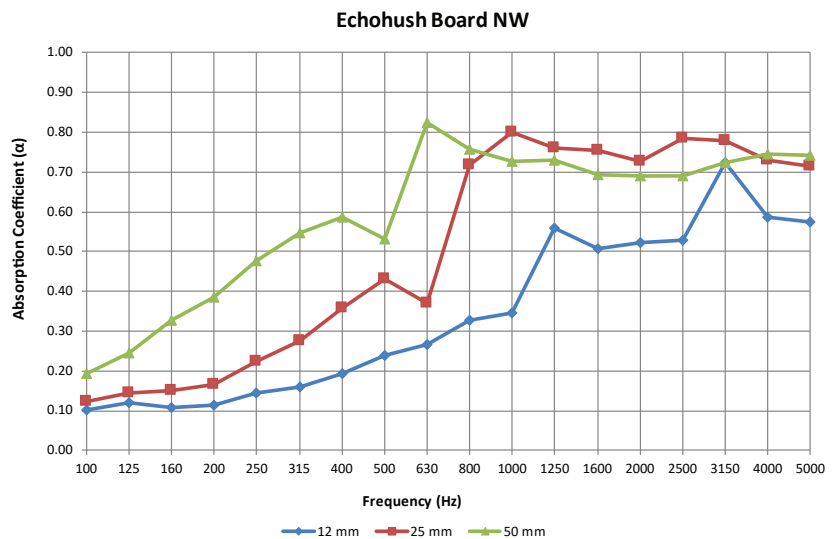


ACOUSTIC PERFORMANCE

Frequency (Hz)	12 mm	25 mm	50 mm
100	0.10	0.12	0.19
125	0.12	0.15	0.24
160	0.11	0.15	0.33
200	0.11	0.17	0.38
250	0.15	0.22	0.48
315	0.16	0.28	0.55
400	0.19	0.36	0.59
500	0.24	0.43	0.53
630	0.27	0.37	0.83
800	0.33	0.72	0.76
1000	0.34	0.80	0.73
1250	0.56	0.76	0.73
1600	0.51	0.75	0.69
2000	0.52	0.73	0.69
2500	0.53	0.79	0.69
3150	0.72	0.78	0.72
4000	0.59	0.73	0.75
5000	0.58	0.71	0.74
NRC	0.30	0.55	0.60
SAA	0.33	0.53	0.64
α_w	0.35 (H)	0.45 (MH)	0.70

Tested to ASTM E1050-12

Report Numbers: 20716AR2 & 20816AR2



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and contact details,
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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.

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