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 compliment 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	Black (Standard) White (depending on MOQ) Facings available NW or as per the captivate range:
Available	Panel thickness: 12 mm, 25 mm, 50 mm
	Panel dimension: 2400 mm x 1200 mm

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)		
25 mm (1 in)	8.6 kg (19 lbs)	2400 x 1200 mm (94.5 x 47.2 in)	100% Polyester Fibre (PET)
50 mm (2 in)	17.2 kg (37.9 lbs)		

*Tolerances: Thickness ±10%; Weight ±10%; Dimensions ±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.	23116BD/FI 5587	NCC: Group 1 NZBC: Group 1-s
Echohush Board 25 mm	ISO 9705		23116BD/EP14699	Group 1

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

Echohush Board

Legend: 12 mm, 25 mm, 50 mm
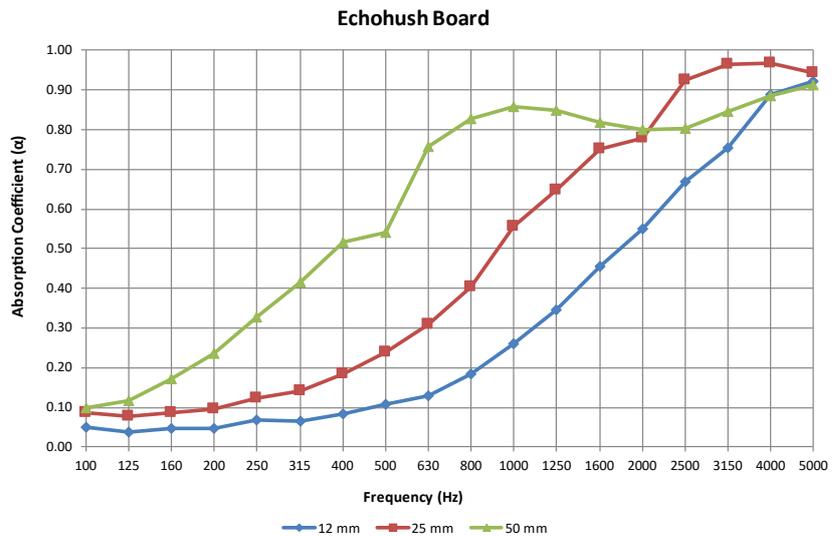
ACOUSTIC PERFORMANCE

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
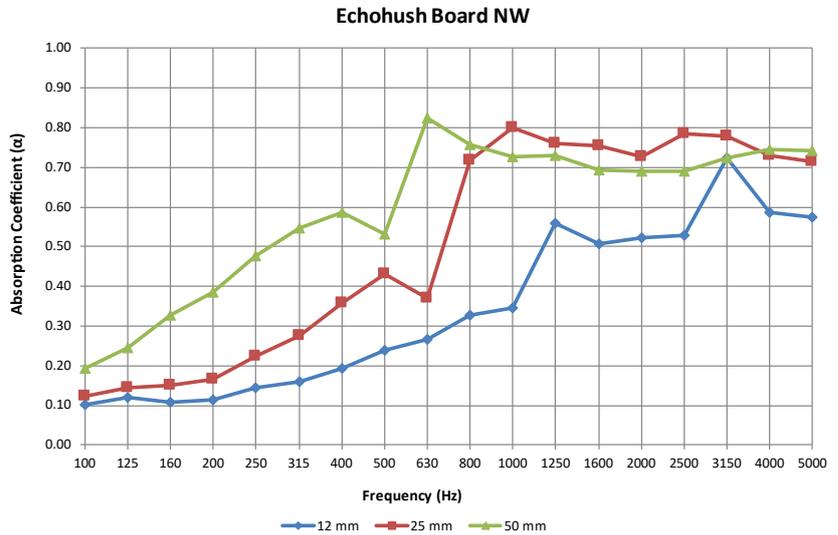
Tested to ASTM E1050-12
Report Numbers: 20716AR2 & 20816AR2

Echohush Board NW

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