



Acoustic Board for Office and Room Acoustics



Echohush® Board is a high-density material manufactured from 100% polyester fibres. It's an acoustic base, lightweight, semi-rigid panel that allows for maximum flexibility in applications and finished solutions. Due to its composition, it is completely safe, non-toxic, non-allergenic and non-irritant.

Echohush Board is ideally suited for office screen manufacture, partition dividers or even as a pre-finished acoustic panel which would offer design flexibility in the manufacture of office furniture. It also serves perfectly as a pin board.

Its excellent acoustic performance will improve privacy in open office environments, reduce reverberated sound, and assist in controlling background noise thereby reducing cross-talk in open plan areas and improving speech intelligibility.

Echohush Board is cost effective and supports lamination of many textiles to it, making it suitable for use in commercial, education and retail interiors.

Using the latest technology, **Echohush Board** can be printed to create original colours and patterns, in corporate or trade branding, safety messages or to create a 3D look with textured finishes.

The product is available in thicknesses of 7mm and 12mm with varying panel dimensions.

(please refer specifications overleaf)

APPLICATIONS

- Workstation panels
- Acoustic partitioning systems
- Wall panelling and other decorative features
- Acoustic and pin board surface for modular office partition panelling
- Display, privacy and noise control when framed for modular room dividers
- Framed for freestanding, or direct fix acoustic panel
- Decorative and functional acoustic wall covering for education, retail, and commercial interiors

BENEFITS

- Made from 100% polyester fibre without chemical binders or retardants
- Reduced labour & material costs
- Can be pinned to
- Light weight & easy to handle
- Tested to AS/NZS 3837 Cone Calorimeter standards (ISO 5660-1 ASTM E 1354)
- Greater flexibility in custom fabrics and finishes
- Over 20 colours to choose from
- Custom colour printing available (minimum order quantities apply)
- Manufactured under ISO 9001 Quality Systems
- Safe, non toxic, non irritant and non-allergenic

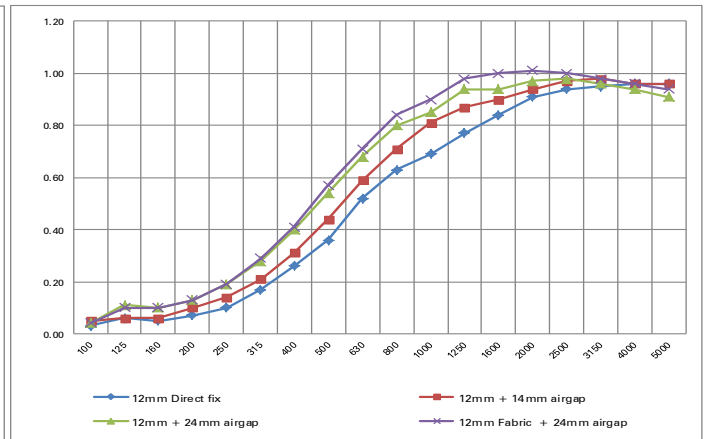
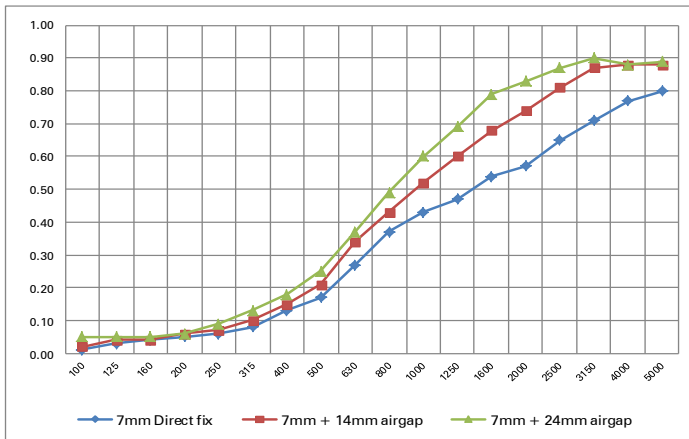
ENVIRONMENTAL CREDENTIALS

- 60% post-consumer recycled PET
- Custom sizes & cutting of kits is available to reduce production waste
- Recyclable
- VOC Emissions- refer to CETEC certificate

Refer to our website www.pyroteknc.com to check you have the latest information page

ACOUSTIC PERFORMANCE

Frequency (Hz)	12mm Direct fix	12mm + 14mm airgap	12mm + 24mm airgap	12mm Fabric + 24mm airgap	7mm Direct fix	7mm + 14mm airgap	7mm + 24mm airgap
100	0.03	0.05	0.04	0.04	0.01	0.02	0.05
125	0.06	0.06	0.11	0.10	0.03	0.04	0.05
160	0.05	0.06	0.10	0.10	0.04	0.04	0.05
200	0.07	0.10	0.13	0.13	0.05	0.06	0.06
250	0.10	0.14	0.19	0.19	0.06	0.07	0.09
315	0.17	0.21	0.28	0.29	0.08	0.10	0.13
400	0.26	0.31	0.40	0.41	0.13	0.15	0.18
500	0.36	0.44	0.54	0.57	0.17	0.21	0.25
630	0.52	0.59	0.68	0.71	0.27	0.34	0.37
800	0.63	0.71	0.80	0.84	0.37	0.43	0.49
1000	0.69	0.81	0.85	0.90	0.43	0.52	0.60
1250	0.77	0.87	0.94	0.98	0.47	0.60	0.69
1600	0.84	0.90	0.94	1.00	0.54	0.68	0.79
2000	0.91	0.94	0.97	1.01	0.57	0.74	0.83
2500	0.94	0.97	0.98	1.00	0.65	0.81	0.87
3150	0.95	0.98	0.96	0.98	0.71	0.87	0.90
4000	0.96	0.96	0.94	0.96	0.77	0.88	0.88
5000	0.96	0.96	0.91	0.94	0.80	0.88	0.89
NRC	0.50	0.60	0.65	0.65	0.30	0.40	0.45



FLAMMABILITY PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
AS 1530.3 1999	Ignitability Spread of Flame Heat evolved Smoke Developed	0 0 0 4	Method for fire tests on building materials, components and structures. Complies.
AS/ NZS 3837 – 1998	Construction Code Classification	Group 3	Average Specific Extinction : Area 365.7m ² /kg

SPECIFICATIONS

PRODUCT THICKNESS	PANEL WEIGHT (gsm)	PANEL DIMENSIONS* mm	COMPOSITION
7mm	1200	2720 X 910 & 2720 X 1210	100% polyester fibre (PET)
12mm	2400	2420 X 910 & 2420 X 1210	

Tolerances: Thickness +/- 10%; Weight +/- 10%; Dimensions +/- 10mm

*Custom sizes available for large orders.

Caveats: Specifications are subject to change without notice. The data in this document are 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 or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC 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 www.pyroteknc.com/disclaimer.

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