



Acoustic Timber™ Panel

Data Sheet

Product Overview	Acoustic Timber™ Panel is a versatile acoustic panel designed for a variety of interior applications. Available in 3/8" and 1" thicknesses, Acoustic Timber Panels are lightweight and semi-rigid—made from 100% polyester fiber. Acoustic Timber Panels are customizable with Precision Cut, and Peel-and-Stick, for ease of install.	
Sustainable Material	- Carbon neutral product and manufacturing - Zero waste manufacturing initiative - Includes recycled content - Low VOC - 0.019 mg/m³ (24 hours) - Sustainable supply chain and anti-modern slavery	
Environmental Credentials	- EPD – compliant with ISO 14025 and EN 15804 - ISO 14001 Certified Environmental Management - Declare – Red List free - Health Product Declaration	
		
Certifying your Green Building	Autex Acoustics® products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit momentumco.com , or speak with your Momentum account manager.	
Suitable Applications	Suitable for use as acoustic and decorative treatments in non-contact areas. For applications where contact is likely to occur, Autex Acoustics recommends our standard Cube™ range. If you have any concerns about the install location, please contact your Momentum account manager.	
Specification	(Wall) treatment shall be Acoustic Timber Panel from thermally bonded high density polyester with timber grain running the length of the panel, containing not less than an average of 80% recycled material as manufactured by Autex Acoustics momentumco.com Cube panel 47.25" x 110" x ()" (nom.) depth, color (), sound absorption 3/8": NRC 0.30. 1": NRC 0.70 – with 1" air gap: NRC 0.80. Fire rating ASTM E-84-15a: 3/8" FS:25 - SD:250, 1" FS:0 - SD:65, and CAN/ULC-S102 (3/8" only): FS:15 - SD:65.	If Acoustic Timber Panels are to be specified for use other than as a wallcovering, please seek guidance from your Momentum account manager.



Product Specifications

Product Name	Acoustic Timber® Panel
Content	100% polyester fiber
Panel Dimensions	47.25" x 110"
Tolerance	(+0.2") x (+0.4")
Thickness	3/8" 1"
Tolerance	(+/- 6%) (+/- 6%)

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website. If Acoustic Timber Panels are to be specified for use other than as a wallcovering, please seek guidance from your Momentum account manager.

Product Specifications

Fire ratings

Acoustic Timber Panel is made from Cube™ which has been tested and evaluated using the following test methods.

ASTM E-84-15a

Class A, FS:24 - SD:250

(Cube™ 3/8")

RJ9445F-1a

Class A, FS:0 - SD:65

(Cube™ 1")

RJ4479-1

CAN/ULC-S102

FS:15 - SD:65

(Cube™ 3/8")

QA-2243F-3

Water Vapor Sorption

ASTM C1104 / C1104M-13a

Test conditions: 120°F, 95%RH

Water vapor absorbed and adsorbed after 4 days:

0.4% by weight

Impact Resistance

Print may show surface damage when subjected to impacts.

We would advise against using Acoustic Timber in areas where there is likely to be contact with the product.

Microbial Resistance

ASTM G21-15

Growth rating: 0 (No growth)

Acoustic Timber Panel does not promote the growth of molds and mildew.

Color Fastness to Light

Acoustic Timber Panels are suitable for indoor use only.

Light fastness is dependent on use and exposure.

Acoustic Timber Panel has been evaluated to the following standard:
ISO 105-B02:2014
Rating: 6 (Highest = 7)

Pattern Repeat

Acoustic Timber Panels are made to replicate Timber grains and there is a variation from panel to panel to provide the natural look. There is no pattern repeat from panel to panel. Acoustic Timber Panels will be manufactured ready for butt joining along the vertical joints. We recommend cutting through the face of the panel using a straight edge to ensure a straight cut. Where possible, please place the straight edge on the excess of the panel to reduce friction and rubbing on the part of the panel that is to be installed.

Blemishes

Due to the nature of the raw material and the manufacturing process, flecks and other small surface blemishes may be visible on the surface of Autex Acoustics panels from time to time. This is an inherent characteristic of the textile products and is unavoidable.

Fabric Care

Avoid contact with the Acoustic Timber Panel surface. Where liquids and other contaminants come in contact with the panels, these should be gently removed immediately and not allowed to soak-in, dry, or set. Refer to the product Care and Maintenance for cleaning guidance. Consult a specialist cleaning company for cleaning if required.

Service

For further information about Acoustic Timber Panel or any other Autex Acoustics product, please contact your Momentum account manager or visit our website.

Light Reflectance Values by Color

Acoustic Timber Panel is suitable for indoor use only. LRVs were measured in accordance with BS 8493:2008+A1:2010

W1 Birch	58	W30 Yakisugi Black	3
W2 Hoop Pine	45	W31 Whitewash Gum	58
W3 Oak	37	W32 Aged Oak	34
W4 American Ash	53	W33 Nordic Oak	46
W5 Tasmanian Blackwood	17	W34 Australian Blackbutt	32
W6 Eucalyptus	46	W36 Soft Walnut	57
W7 Queensland Walnut	15	W37 Coastal Oak	42
W12 Tasmanian Oak	28	W38 Natural Oak	35
W18 Grey Ironbark	15	W39 Civic Oak	23
W19 Blue Gum	18	W40 Coffs Blackbutt	21
W20 Jarrah	9	W41 Prime Oak	22
W21 Black Walnut	15	W42 Boston Oak	32



Acoustic Performance

Acoustic Timber Panel is made using Cube.
The effect of the printed surface has been tested and found to have no impact on acoustic performance.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
●	3/8" Cube	0.00	0.05	0.15	0.40	0.70	0.85	0.30
●	1" Cube	0.05	0.20	0.60	0.90	1.00	1.00	0.70
●	1" Cube (with 1" air gap)	0.15	0.40	0.85	0.95	0.95	0.95	0.80

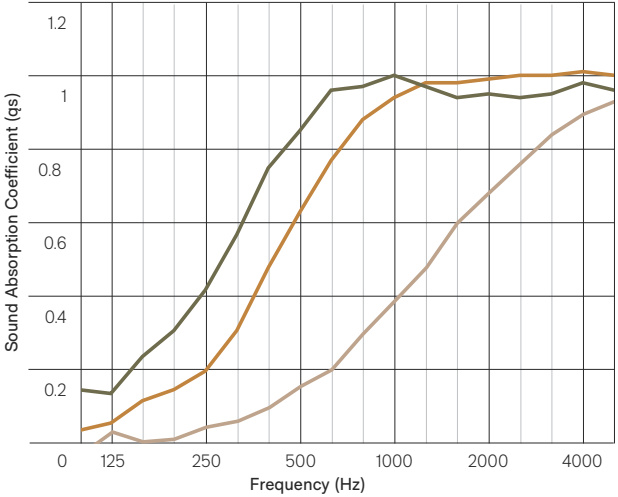
Graph presents third octave sound absorption coefficients (according to ISO 354 measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz and rounded to the nearest 0.05.

Absorption coefficient according to ISO 354
University of Auckland Testing Service

3/8" Cube - Test No. T2408-4ATS

1" Cube - Test No. T1961-1

1" Cube (with 1" air gap) - Test No. T1326-2



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