



Acoustic Timber™ Ceiling Tile

Data Sheet

Product Overview	Acoustic Timber™ Ceiling Tile is a simple, high-performance acoustic tile made from Cube™ designed to fit within standard grid systems and comply with typical loading standards. Made from non-woven, needle punched 100% polyester fiber, the tiles are lightweight and sturdy, so they will not chip, crack, or break.	
Sustainable Material	- Carbon neutral product and manufacturing - Zero waste manufacturing initiative - Recycled content - >78% recycled material	- Low VOC and CDPH compliant - <0.092 mg/m³ (7 days) - Sustainable supply chain and anti-modern slavery
Environmental Credentials	- EPD – compliant with ISO 14025 and EN 15804 - Declare – Red List free (third party verified)	- ISO 14001 Certified Environmental Management - Health Product Declaration - CDPH Standard
	    	
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.	
Specification	(Ceiling) treatment shall be Acoustic Timber Ceiling Tile from thermally bonded polyester containing not less than 78% recycled material as manufactured by Autex Acoustics. momentumco.com Tile 23.75" x 47.75" x 3/8" depth, or 23.75" x 23.75" x 3/8" depth, color (L) suspended square edge, sound absorption: NRC 0.85.	Fire rating ASTM E-84-15a: FS:24 - SD:250, and CAN/ULC-S102 (3/8" only): FS:15 - SD:65. Install as per Autex Acoustics recommendations. If Acoustic Timber Ceiling Tile is to be specified for use other than as a ceiling tile, please seek guidance from your Momentum account manager.



Product Specifications

Product Name	Acoustic Timber™ Ceiling Tile
Content	100% polyester fiber (PET)
Panel Dimensions	23.75" x 47.75" 23.75" x 23.75"
Tolerance	(+0.2") (+0.4")
Thickness	3/8"
Tolerance	(+/- 6%)

Installation

Install as per Autex Acoustics recommendations.

Install instructions are available on the website. In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer.

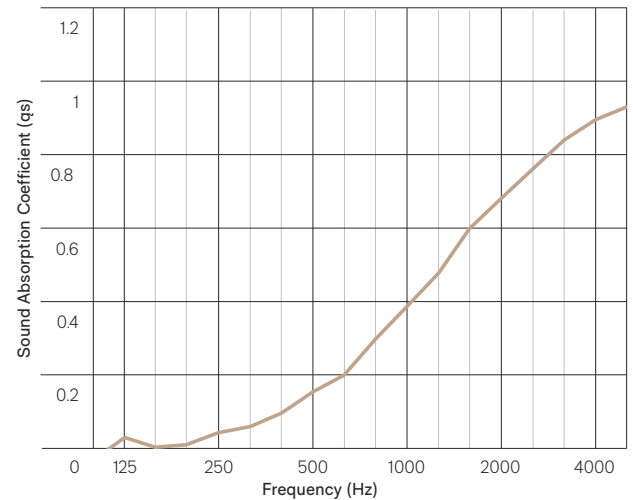
Acoustic Performance

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

Absorption Coefficient According ISO 354
University of Auckland Test Report Number
3/8" Cube - Test No. T2408-4ATS

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

Table presents the practical sound absorption coefficients as according to ISO 11654. 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 centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.



Light Reflectance Values by Color

Acoustic Timber Ceiling Tiles are 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



Product specifications

Fire Ratings

Acoustic Timber Ceiling Tiles are 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

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

Acoustic Timber Ceiling Tile may show surface damage when subjected to impacts.

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

Microbial Resistance

ASTM G21-15
Growth rating: 0 (No growth)
Acoustic Timber Ceiling Tiles do not promote the growth of molds and mildew.

Color Fastness to Light

Acoustic Timber Ceiling Tile is suitable for indoor use only. Light fastness is dependent on use and exposure. Acoustic Timber Accent Ceiling Tile has been evaluated to the following standard:
ISO 105-B02:2014
Rating: 6 (Highest = 7)

Pattern Repeat

Acoustic Timber Ceiling Tiles 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 tile to tile.

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 Ceiling Tile 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.

Back Loading

None. All loads to be independently supported or transferred to the grid. For questions and concerns please contact your account manager.

Service

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

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