



Autex
Acoustics®

Acoustic Timber™ Ceiling Tile

Data Sheet

Product overview

Acoustic Timber™ Ceiling Tile is a simple, high-performance acoustic tile made from Accent Ceiling Tile™ designed to fit within standard grid systems and comply with typical loading standards. Made from non-woven, needle punched 100% polyester fibre, 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
 - >60% recycled material
- Low VOC and CDPH compliant
 - <0.092 mg/m³ (7 days)
- Sustainable supply chain and anti-modern slavery

Environmental certifications

- 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



Declare.



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 autexacoustics.co.nz, or speak with your Autex Acoustics account manager.

Specification

(Ceiling) treatment shall be Acoustic Timber Ceiling Tile from thermally bonded polyester containing not less than 80% recycled material as manufactured by Autex Acoustics autexacoustics.co.nz

Tile 595 mm x 1195 mm x 12 mm depth, or 595 mm x 595 mm x 12 mm depth, colour () suspended square edge, sound absorption: Class A, NRC 0.85. Fire rating

ISO9705: Classification: Group 1-S,
AS ISO 9705 – 2003: Group 1,
BS EN 13501-1:2018: B – s2, d0,

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 Autex Acoustics account manager.



Product specifications

Product name	Acoustic Timber™ Ceiling Tile
Content	100% polyester fibre (PET)
Panel dimensions	595 x 1195 mm 595 x 595 mm
Tolerance	(+/- 2 mm) (- 5 mm)
Thickness	12 mm
Tolerance	(+/- 6%)

Installation

Install as per Autex Acoustics recommendations.

Install instructions are included in each pack or 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.

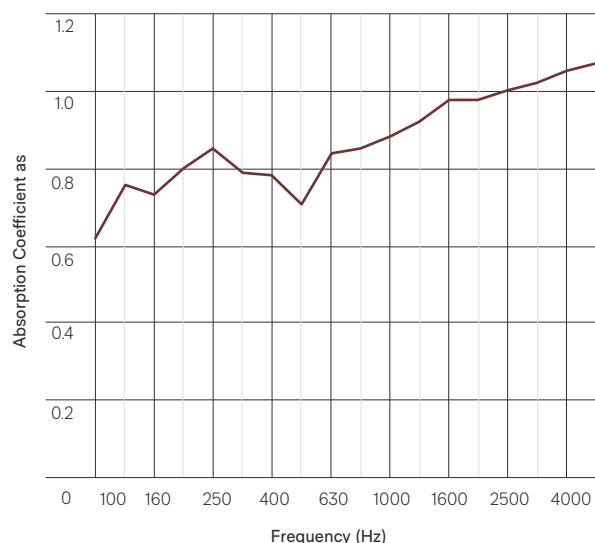
Acoustic performance

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

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Ceiling Tile 13 mm (300 mm air gap)	0.70	0.80	0.80	0.90	1.00	1.00	0.85

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.

Absorption Coefficient According ISO 354
University of Auckland Test Report Number
Accent Ceiling Tile 13 mm (300 mm air gap) - Test No. T1632-2



Product specifications

Fire ratings

Acoustic Timber Ceiling Tiles are made from Cube™ which has been tested and evaluated using the following test methods.

ISO 9705: 1993

Classification: Group 1-S
Smoke production rate:
<5.0m²/s
As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1
(SMOGRARc): <100m²/s²
Assessed using methodology
AS ISO 9705 - 2003
in accordance with AS 5637:2015, required by
NCC Specification 7: Fire Hazard properties: S7C4
FAR 4055

BS EN 13501-1:2018

Ceiling applications
Classification: B-s2,d0
(Cube™ 12 mm)
Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 13964:2014.
EUI-20-000268-B

Water vapour sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour 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)
Accent Ceiling Tile does not promote the growth of moulds and mildew.

Colour fastness to light

Acoustic Timber Accent 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.



Light reflectance values by colour

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

W1 Birch	58	W21 Black Walnut	15
W3 Oak	37	W30 Yakisugi Black	3
W4 American Ash	53	W32 Aged Oak	34
W7 Queensland Walnut	15	W36 Soft Walnut	57
W8 Classic Oak	27	W37 Coastal Oak	42
W12 Tasmanian Oak	28	W39 Civic Oak	23
W18 Grey Ironbank	15	W41 Prime Oak	22

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