Autex Acoustics®

Acoustic Timber™ Ceiling Tile

Manufacturer's Guarantee

Acoustic Timber™ Ceiling Tiles are manufactured by Autex Industries Ltd under an ISO 9001 and ISO 14001 certified Quality Environmental Management Systems. This product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all the performance properties stated within this guarantee.

Specification

Product name Acoustic Timber™ Ceiling Tiles

Description 100% polyester needle punched, thermally bonded ceiling tile

	Metric
Panel dimensions	23.75" x 47.75"
	23.75" x 23.75"
Tile tolerance	*(+0.2") (+0.4")*
Thickness	1/2"
Tolerance	*(+/- 6%)*

Physical description/ properties

Boiling point:	N/A
Melting point:	482˚F
Vapour pressure:	N/A
Specific gravity:	Polyester 1.38
Flash point:	N/A
Explosive limits:	N/A
Solubility in water:	Not soluble
Alkalinity:	pH 7.8
Relative vapour density:	N/A

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.

Minimum Noise Reduction Coefficient 0.85

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
●	**Ceiling Tile 1/2"** (1/2" air gap)	0.70	0.80	0.80	0.90	1.00	1.00	0.85

Service

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

Care and maintenance

Maintain in accordance with the Care and Maintenance Guide available for this product.

Product specifications

Composition
100% polyester fiber from polyethylene terephthalate (PET). Acoustic Timber Ceiling Tile contains a minimum of 60% recycled polyester fibre.

Suitable applications
High performing acoustic ceiling tile for reverberation control in commercial and education environments.

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: <5.0m^2/s
As required by NZBC C/VM2

AS ISO 9705 - 2003
Classification: Group 1
(SMOGRArc): <100m^2/s2
Assessed using methodology
AS ISO 9705 - 2003
in accordance with AS 5637.1:2015, 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

ASTM E-84-15a
Class A, FS:0 - SD:45
(Cube™ 1/2")
RJ4479

VOC emissions
Autex Acoustics polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered a low VOC product. VOC concentration: 0.009 mg/m^3 (7 days).

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

Colour fastness to light
Acoustic Timber Ceiling Tile is suitable for indoor use only. Light fastness is dependent on use and exposure. Acoustic Timber 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.

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.

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.

- **New Zealand**
  702-718 Rosebank Road,
  Private Bag 19988
  Avondale 1746, Auckland
  T 0800 428 839
  T +64 9 828 9179
  autexacoustics.co.nz
- **Australia**
  285 Swan Street,
  Richmond, VIC 3121
  T 1800 678 160
  T +61 3 9450 6700
  autexacoustics.com.au
- **United Kingdom**
  Unit J4, Lowfields Way,
  Lowfields Business Park,
  Elland, West Yorkshire
  HX5 9DA
  T +44 0 142 241 8899
  autexacoustics.co.uk
- **United States**
  1630 Dan Kipper Drive,
  Riverside, CA 92507
  T +1 424 203 1813
  autexacoustics.com