



3D Ceiling Tiles are manufactured by Autex Industries Ltd under an ISO 9001 and ISO 14001 certified Quality Environmental Management Systems. The 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 of the performance properties stated within this guarantee.

Specification

Product name	3D Ceiling Tiles	
Description	100% polyester thermally moulded, needle punched tile	
	Metric	S-5.38
Tile dimensions	595 mm x 595 mm	1195 mm x 595 mm
Tile tolerance	(+/- 0.5 mm) (+/- 0.5 mm)	(+/- 1 mm) (+/- 0.5 mm)
Thickness	Tiles range from 25 mm to 140 mm. Refer to Data Sheet for specific thickness values.	
Depth tolerance	(+/- 0.5 mm)	
Weight	1680 gsm	1200 gsm

Physical description/
properties

Boiling point:	N/A
Melting point:	250°C
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

3D Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
3D Ceiling Tiles without AAB 35-25	0.15	0.45	0.65	0.90	0.90	0.80	0.75
3D Ceiling Tiles with AAB 35-25	0.25	0.60	0.95	1.05	1.00	0.90	0.90
3D Ceiling Tiles S-5.37 142 mm	0.15	0.65	0.60	0.70	0.75	0.70	0.65



Service

For further information about 3D Ceiling Tiles 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 fibre from polyethylene terephthalate (PET). 3D Ceiling Tiles contain a minimum of 49% recycled polyester fibre.

Suitable applications

Decorative and functional acoustic tile for retail, education, hospitality and commercial interiors.

Fire ratings

3D Ceiling Tiles is a product made from Workstation as the base material (or Cube for S-5.38*). Workstation has been 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
(SMOGR_{ARC}): <100m²/s²
Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637:2015, as required by NCC Specification 7: Fire Hazard properties: S7C4 FI 4974 FAR 4055

*Please refer to Cube Data Sheet for evaluation data

EN13501-1:2007

(6 mm 3D Ceiling Tiles)
B - s1, d2
Report WF 336913

ASTM E-84-14

Class A, FS:0 - SD:10
Report RJ3297

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/m³ (7 days).

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.

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
3D Ceiling Tiles do not promote the growth of moulds and mildew.

Colour fastness to light

3D Ceiling Tiles are suitable for indoor use only. Lightfastness is dependent on use and exposure. 3D Ceiling Tiles have been evaluated to the following standard: ISO 105-B02:2014
Rating: 6 (Highest = 7)

Colour fastness to rubbing

ISO 105-X12:2016
Dry rating: 4-5 (Highest = 5)
Wet rating: 4-5 (Highest = 5)

Pattern repeat

Non-woven. No pattern repeat, but the product has a directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up, which is an inherent feature of this product.

Fabric care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and using excessive amounts of water as this will affect the finish.

Use carpet or upholstery shampoo as directed. Blot with a clean, dry cloth after each application of the solution.

Custom printed 3D Ceiling Tiles the services of a specialist cleaning company. Refer to the 3D Ceiling Tiles Care and Maintenance Guide for more information.

● **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**
121-131 Global Avenue,
Essendon Fields,
VIC 3041
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 +44 142 2418 899
autexacoustics.co.uk

● **United States**
742 S Hill Street,
Suite 501, Los Angeles,
CA 90014
T +1 424 203 1813
autexacoustics.com

Autex is an ISO certified organisation encompassing Quality (ISO 9001), Environmental (ISO 14001), and Health and Safety (ISO 45001). Brand names and logos are registered or unregistered trademarks owned or used under license by Autex Industries Limited or other members of the Autex Group. © Copyright 2026 Autex Industries Ltd. All rights reserved. It is the user's responsibility to determine if the product and information presented in this document is suitable for the intended application by engaging a suitably qualified consultant. The information contained in this document is correct to the best of our knowledge at the date of its publication. To verify that this document is the most current publication please check our website or contact your Autex Acoustics' account manager.