



Product overview

A side-step from the traditional acoustic ceiling tile, 3D Ceiling Tiles are made from 100% polyester fibre and moulded to form abstract, three-dimensional shapes.

The 3D Ceiling Tile is designed to be direct fixed or fit within a standard ceiling grid; lightweight and semi-rigid for easy installation.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
 - >49 - 80% recycled material
- Low VOC and CDPH compliant
 - 0.0035 mg/m³ (7 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

Environmental certifications

- EPD – compliant with ISO 14025 and EN 15804
- ISO 14001 Certified Environmental Management
- Declare – Red List free (third party verified)
- 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 autexacoustics.co.nz, or speak with your Autex Acoustics account manager.

Specification

(Ceiling) treatment shall be 3D Ceiling Tiles from thermally moulded, felted polyester material containing not less than 49% recycled material as manufactured by Autex. autexglobal.com

Tile (S-5.__), colour (__), sound absorption: Class C, NRC 0.75. Fire rating ISO 9705:

Classification: Group 1-S, EN13501-1:2007+A1:2009: B - s1, d2, ASTM E-84-14 Class A, FS:0 - SD:10

Install as per Autex Acoustics recommendations.



Product specifications

Product name	3D Ceiling Tiles S-5.26, S-5.28, S-5.34, S-5.38, S-5.53
Composition	100% polyester fibre (PET)
Required grid size	600 mm or 1200 mm x 600 mm with 24 mm tee

Installation

Designed to fit a 600 x 600 mm or 1200 x 600 mm grid with a 24 mm tee. Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website.

Product name	S-5.26	S-5.28	S-5.34	S-5.38	S-5.53
Tile dimensions	595 mm x 595 mm	595 mm x 595 mm	595 mm x 595 mm	1195 mm x 595 mm	595 mm x 595 mm
Tile tolerance	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)	(+1 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)
Depth	83 mm	62 mm	64 mm	80 mm	63 mm
Depth tolerance	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)
Weight	1680 gsm	1680 gsm	1680 gsm	1200 gsm	1680 gsm

Acoustic performance

3D Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to autexacoustics.co.nz.

	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

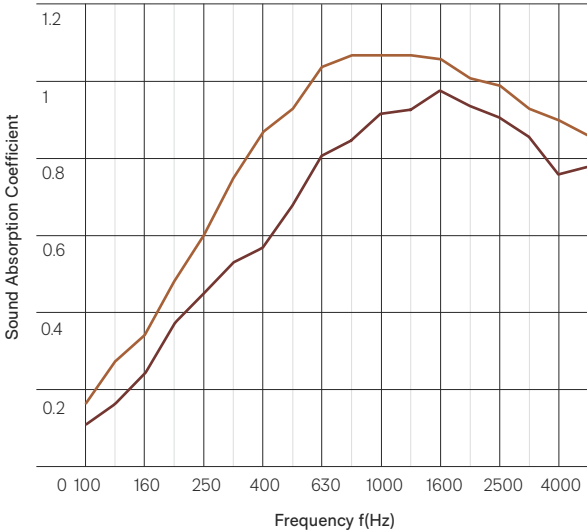
The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. The NRC rating is determined as the arithmetic average 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.

Sound absorption coefficients according to ISO 354.

University of Auckland Testing Service

3D Ceiling Tiles without AAB 35-25 - Test No: T1012-3

3D Ceiling Tiles with AAB 35-25 - Test No: T1012-5



Product specifications

Product name	3D Ceiling Tiles S-5.37
Composition	100% polyester fibre (PET)
Required grid size	600 mm x 600 mm with 24 mm tee

Installation

Designed to fit a 600 mm x 600 mm grid with a 24 mm tee. Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website.

Product name	S-5.37
Tile dimensions	595 mm x 595 mm
Tile tolerance	(+0.5 mm) (+0.5 mm)
Depth	142 mm
Depth tolerance	(+0.5 mm)
Weight	1680 gsm



Acoustic performance

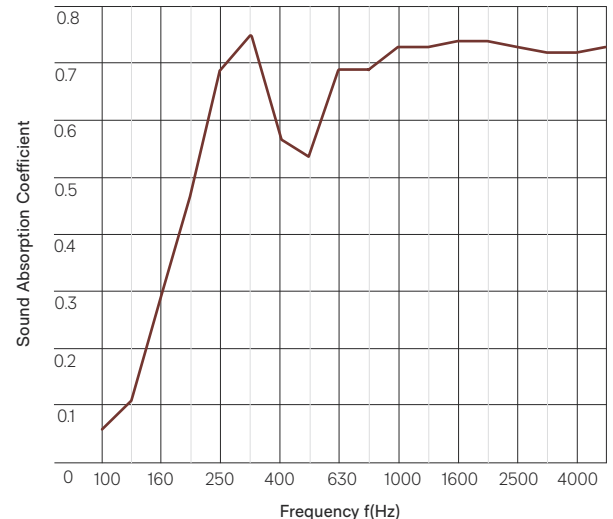
3D Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors. To increase acoustic performance, use Autex AAB 35-25 polyester acoustic insulation as an infill. Refer to autexglobal.com.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
3D Ceiling Tiles S-5.37 142 mm	0.15	0.65	0.60	0.70	0.75	0.70	0.65

*These designs don't typically support the AAB application.

The graph above presents third octave sound absorption coefficients in accordance with ISO 354 measurement of sound absorption in a reverberation room. The table below presents the practical sound absorption coefficients in accordance with ISO 11654. 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.

Sound absorption coefficients according to ISO 354.
University of Auckland Testing Service
3D Ceiling Tiles S-5.37 142 mm - Test No: T1316-4



Product specifications

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

EN13501-1:2007

(6mm Workstation)

B - s1, d2

Report WF 336913

ASTM E-84-14

Class A, FS:0 - SD:10

Report RJ3297

*Please refer to Cube Data Sheet for evaluation data

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

Service

For further information about 3D Ceiling Tiles or any other Autex Acoustics product, please contact your account manager or visit our website.



**Light reflectance
values by colour**

3D Ceiling Tiles are suitable
for indoor use only. LRVs were
measured in accordance with
BS 8493:2008+A1:2010

Acros	40	Opera	49
Beehive	33	Parthenon	33
Canyon	19	Pavilion	80
Caspian	6	Petronas	2
Cavalier	12	Pinnacle	3
Colosseum	52	Rushmore	41
Empire	5	Sargazo	4
Falling Water	34	Savoye	46
Flatiron	24	Senado	44
Gherkin	8	Terrace	24
Highland	19	Tree House	3
Muralla	9		

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