



Product overview

3D Tiles are lightweight, sculptural acoustic tiles designed for interior wall application. Made from 100% polyester fibre, 3D Tiles are moulded to form abstract, three-dimensional shapes that provide acoustic absorption across the mid to high frequency range.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content - >55% 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 ISO 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 www.autexglobal.com, or speak with your Autex Acoustics account manager.

Specification

Wall treatment shall be 3D Tiles made from thermally moulded, needle punched, felted polyester material containing not less than 55% recycled material as manufactured by Autex www.autexglobal.com

Tile (S-5.__), colour (__), sound absorption Class C, NRC 0.75 – if backed with Autex AAB: Class A, NRC 0.90.

Fire rating ISO 9705: Classification: Group 1-S, EN13501-1:2007+A1:2009: B - s1, d2.

Tiles to be supplied with 1 standard tile clip per tile. Install as per 3D Tile Install Instructions.



Product specifications

Product name 3D Tiles S-5.26, S-5.28, S-5.32, S-5.34, S-5.50, S-5.53
Composition 100% polyester fibre (PET)

Installation

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-5.32	S-5.34	S-5.50	S-5.53
Tile dimensions	575 mm x 575 mm	575 mm x 575 mm	575 mm x 575 mm	575 mm x 575 mm	288 mm x 575 mm	575 mm x 575 mm
Tile tolerance	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)	(+0.5mm) (+0.5mm)	(+0.5 mm) (+0.5 mm)
Depth	80 mm	58 mm	50 mm	58 mm	58 mm	60 mm
Depth tolerance	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)	(+0.5 mm)
Weight	1680 gsm	1680 gsm	1680 gsm	1680 gsm	1680 gsm	1680 gsm

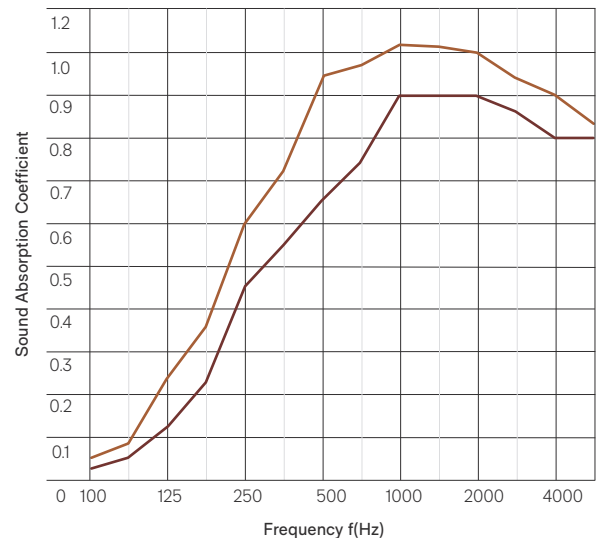
Acoustic performance

3D Tiles S-5.26, S-5.28, S-5.32, S-5.34, S-5.50 and S-5.53 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 www.autexglobal.com.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 3D Tiles (without AAB 35-25)		0.15	0.45	0.65	0.90	0.90	0.80	0.75
● 3D 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 centered 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
 3D Tiles without AAB 35-25 - Test No. T1012-3
 3D Tiles with AAB 35-25 - Test No. T1012-5



Product specifications

Product name 3D Tiles S-5.37, S-5.46
Composition 100% polyester fibre (PET)

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website.

Product name	S-5.37	S-5.46
Tile dimensions	575 mm x 575 mm	498 mm x 575 mm
Tile tolerance	(+0.5 mm) (+0.5 mm)	(+0.5 mm) (+0.5 mm)
Depth	140 mm	120 mm
Depth tolerance	(+0.5 mm)	(+0.5 mm)
Weight	1680 gsm	1680 gsm



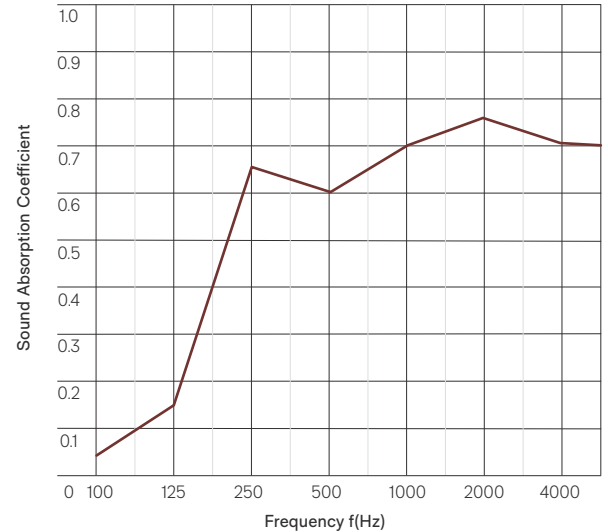
Acoustic performance

3D Tiles S-5.37 and S-5.46 are specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 3D Tiles S-5.37, S-5.46	0.15	0.65	0.60	0.70	0.75	0.70	0.65

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 centered 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
3D Tiles S-5.37, S-5.46 - Test No. T1316-4



Product specifications

Fire ratings

3D Tiles is a product made from Workstation as the base material. 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

56371:2015 as required by BCA

Specification C1.10-4

FAR 4055

EN13501-1:2007+A1:2009

(6mm Workstation)

B - s1, d2

Report WF 336913

ASTM E84 - 14

(12mm Workstation)

Class A, FS:0 - SD:10

Report RJ3297

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.

Microbial resistance

ASTM G21-15

Growth rating: 0 (No growth)

3D Tiles do not promote the

growth of moulds and mildew.

Colour fastness to light

3D Tiles are suitable for

indoor use only.

Lightfastness is dependent

on use and exposure. 3D 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 Tiles require

the services of a specialist

cleaning company. Refer to the

3D Tiles Care

and Maintenance Guide for

more information.

Service

For further information about

3D Tiles or any other Autex

Acoustics product, please

contact your account manager

or visit our website.



Light reflectance values by colour

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

Civic	57	Avocado	11
Silver	23	Blush	10
Porcelain	22	Blazing Red	8
Fawn	20	Bark	5
Granny Smith	20	Stately	3
Stonewash	19	Charcoal	3
Brilliant Orange	15	Bark	1
Electric Blue	12		

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