



**Product
overview**

A side-step from the traditional acoustic ceiling tile, 3D Ceiling Tiles are made from 100% polyester fiber and molded 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.

Specification

(Ceiling) treatment shall be 3D Ceiling Tiles from thermally molded, felted polyester material containing not less than 55% recycled material as manufactured by Autex. www.autexglobal.com

Tile (S-5.__), color (__), 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.

**Color
options**



Porcelain



Stonewash



Blush



Stately



Charcoal



Noir



Silver



Civic



Bark



Fawn



Avocado



Granny Smith



Brilliant Orange



Blazing Red



Electric Blue



Product specifications

Product name 3D Ceiling Tiles S-5.26, S-5.28, S-5.34, S-5.53
Composition 100% polyester fiber (PET)
Required grid size 2' x 2' with 15/16th tee

Installation

Designed to fit a 2' x 2' grid with a 15/16th 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-5.53
Tile dimensions	23.75" x 23.75"	23.75" x 23.75"	23.75" x 23.75"	23.75" x 23.75"
Tile tolerance	(+/-0.2" (+/-0.2"))	(+/-0.2" (+/-0.2"))	(+/-0.2" (+/-0.2"))	(+/-0.2" (+/-0.2"))
Depth	3.25"	3.43"	2.52"	2.47"
Depth tolerance	(+/-0.2")	(+/-0.2")	(+/-0.2")	(+/-0.2")
Weight	5.51oz/ft ²	5.51oz/ft ²	5.51oz/ft ²	5.51oz/ft ²

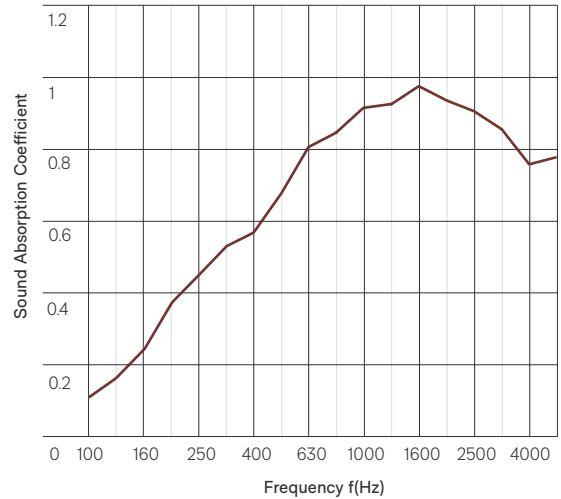
Acoustic performance

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		0.15	0.45	0.65	0.90	0.90	0.80	0.75

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.

Sound Absorption Coefficients according to ISO 354.
 University of Auckland Testing Service
 3D Ceiling Tiles - Test No: T1012-3



Product specifications

Product name 3D Ceiling Tiles S-5.37
Composition 100% polyester fiber (PET)
Required grid size 2' x 2' with 15/16th tee

Installation

Designed to fit a 2' x 2' grid with a 15/16th 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	23.75" x 23.75"
Tile tolerance	(+/-0.2" (+/-0.2"))
Depth	5.57"
Depth tolerance	(+/-0.2")
Weight	5.51oz/ft ²



Acoustic performance

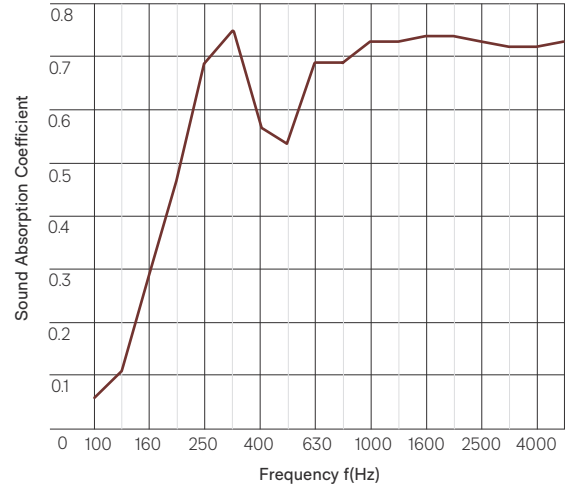
3D Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 3D Ceiling Tiles S-5.37 5.57"	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.

Sound Absorption Coefficients according to ISO 354.
University of Auckland Testing Service

3D Ceiling Tiles S-5.37 5.57" - Test No: T1316-4



Product specifications

Fire ratings

3D Ceiling 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 C110-4

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

VOC emissions

Autex 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 vapor sorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapor absorbed and adsorped 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 molds and mildew.

Color 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)

Color 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 fiber 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.

Environmental

Autex Acoustics is committed to best practice through our ISO

14001 certified Environmental

Management Systems.

3D Ceiling Tiles contain a

minimum of 55% previously

recycled polyester fiber

(from PET bottle-flake).

Off-cuts and manufacturing

waste are re-used or recycled

wherever possible.

3D Ceiling Tiles are

manufactured from 100%

polyester fiber and do not

contain formaldehyde binders.

Autex polyester fiber supports

safer indoor air quality and will

not become a potential

airborne pollutant.

Service

For further information about 3D

Ceiling Tiles or any other Autex

Acoustic product, please contact

your account manager or visit

our website.



Light reflectance values by color

3D Ceiling 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		

Caring for the environment

3D Ceiling Tiles are manufactured using 100% polyester fiber and contain a minimum of 55% recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate Level A, Health Product Declaration (HPD), and CDHP Standard certified.

3D Ceiling Tiles are DeclareSM certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.



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