



3D Ceiling Tiles

Data Sheet

Product Overview	A side-step from the traditional acoustic ceiling tile, 3D Ceiling Tiles are amde from 100% polyester fiber and molded to form abstract, three-dimensional shapes. The 3D Ceiling Tile is designed to fit within a standard ceiling grid; lightweight and semi-rigid for easy installation.	
Sustainable Material	• Carbon neutral product • Zero carbon manufacturing • Recycled content - 49% 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 Credentials	• EPD – compliant with ISO 14025 and EN 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 momentumco.com , or speak with your Momentum account manager.	
Specification	(Ceiling) treatment shall be 3D Ceiling Tiles from thermally molded, felted polyester material containing not less than 49% recycled material as manufactured by Autex Acoustics.	Tile (S-5.__), color (__), sound absorption: NRC 0.75. Fire rating 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-5.53
Composition 100% polyester fiber (PET)
Required Grid Size 2' x 2' with 15/16" tee

Installation
Designed to fit a 2' x 2' grid with a 15/16" tee. Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available at momentumco.com.

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") x (+/-0.2")	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-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

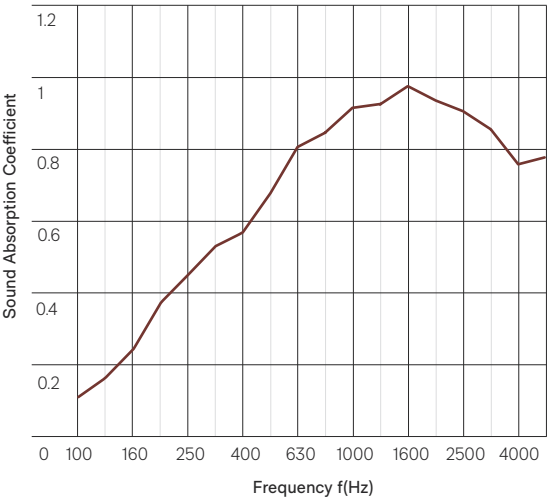
Acoustic Performance

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

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

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.



Product Specifications

Product Name 3D Ceiling Tiles S-5.37
Composition 100% polyester fiber (PET)
Required Grid Size 2' x 2' with 15/16" tee

Installation
Designed to fit a 2' x 2' grid with a 15/16" tee. Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available at momentumco.com.

Product Name	S-5.37
Tile Dimensions	23.75" x 23.75"
Tile Tolerance	(+/-0.2") x (+/-0.2")
Depth	5.57"
Depth Tolerance	(+/-0.2")
Weight	5.51oz/ft ²



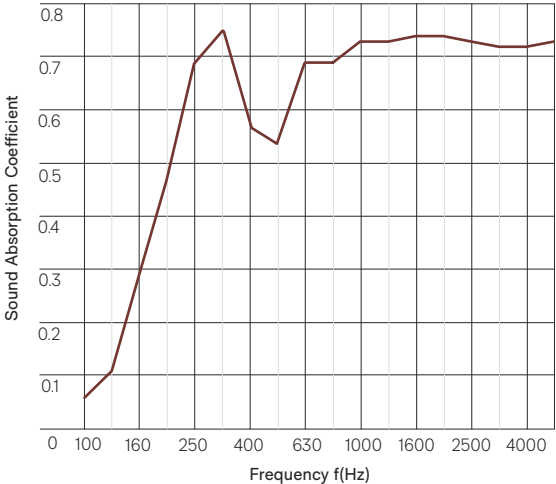
Acoustic Performance

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"	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" - 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:

ASTM E-84-14

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

Water Vapor Sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapor 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 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 Autex Acoustics Care and Maintenance Guide for more information.

Service

For further information about 3D Ceiling Tiles or any other Autex Acoustic product, please contact your Momentum account manager or visit momentumco.com.



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

Acros	30	Muralla	7
Beehive	30	Petronas	1
Blazing Red	8	Pinnacle	2
Cavalier	10	Porcelain	22
Empire	3	Savoye	44
Falling Water	32	Simba	18
Flatiron	23	Tree House	2
Gherkin	5		

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