



3D Wall Tiles

Data Sheet

Product Overview

3D Wall Tiles are lightweight, sculptural acoustic tiles designed for interior wall application. Made from 100% polyester fiber, 3D Wall Tiles are molded 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
 - >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

Wall treatment shall be 3D Wall Tiles made from thermally molded, needle punched, felted polyester material containing not less than 49% recycled material as manufactured by Autex Acoustics.

Tile (S-5.__), color (__), sound absorption, NRC 0.65-0.75 depending on design. Fire rating ASTM E-84: Class A FS:0 - SD:10.
Install as per 3D Tile Install Instructions.



Product specifications

Product Name	3D Wall Tiles S-5.26, S-5.28, S-5.32, S-5.34, S-5.53
Composition	100% polyester fiber (PET)

Installation
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-5.32	S-5.34	S-5.53
Tile Dimensions	22.6" x 22.6"	22.8" x 22.8"	22.8" x 22.8"	22.6" x 22.6"	22.6" x 22.6"
Tile Tolerance	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")
Depth	3.15"	2.28"	1.96"	2.28"	2.36"
Depth Tolerance	(+/-0.2")	(+/-0.2")	(+/-0.2")	(+/-0.2")	(+/-0.2")
Weight	5.51 oz/ft ²	5.51 oz/ft ²	5.51 oz/ft ²	5.51 oz/ft ²	5.51 oz/ft ²

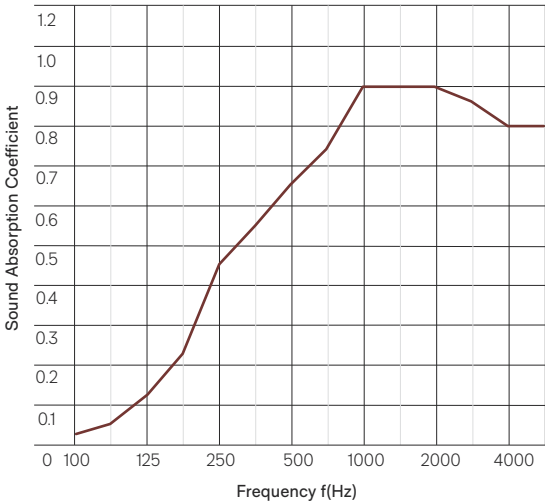
Acoustic Performance

3D Wall Tiles S-5.26, S-5.28, S-5.32, S-5.34, and S-5.53 are specifically designed to reduce and control reverberated noise and echo in building interiors.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 3D Wall 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.

Absorption coefficient according ISO 354
University of Auckland Test Report Number
3D Wall Tiles - Test No. T1012-3



Product Specifications

Product Name	3D Wall Tiles S-5.37, S-5.46
Composition	100% polyester fiber (PET)

Installation
Install as per Autex Acoustics recommendations.
Install instructions are included in each pack
or available at momentumco.com.

Product Name	S-5.37	S-5.46
Tile Dimensions	22.6" x 22.6"	19.6" x 22.6"
Tile Tolerance	(+/-0.2") x (+/-0.2")	(+/-0.2") x (+/-0.2")
Depth	5.51"	4.49"
Depth Tolerance	(+/-0.2")	(+/-0.2")
Weight	5.51 oz/ft ²	5.51 oz/ft ²



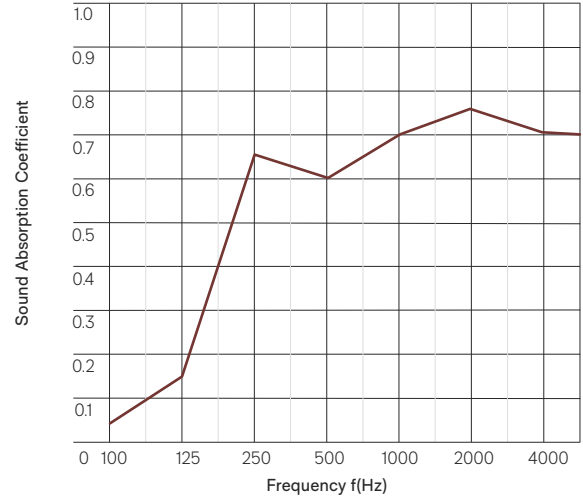
Acoustic Performance

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



Product Specifications

Fire Ratings

3D Wall Tiles is a product made from Workstation as the base material. Workstation has been evaluated using the following test methods:

ASTM E84 - 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 Wall Tiles do not promote the growth of molds and mildew.

Color Fastness to Light

3D Wall Tiles are suitable for indoor use only.

Lightfastness is dependent on use and exposure. 3D Wall 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 Wall 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 Wall Tiles or any other Autex Acoustics product, please contact your Momentum account manager or visit our website.



Light Reflectance Values by Color

3D Wall 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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