



Cube™

Data Sheet

Product Overview

Cube™ is a versatile acoustic panel designed for a variety of interior applications. Available in 3/8" and 1" thicknesses, Cube panels are lightweight and semi-rigid—made from 100% polyester fiber. Cube panels are customizable with Print, Mold and Press, Precision Cut, Groove, and Peel-and -Stick, and require no edging or capping.

Sustainable Material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
 - >80% recycled material
- Low VOC and CDPH compliant
 - <0.092 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 Cube™ from thermally bonded high density polyester containing no less than 80% recycled material as manufactured by Autex Acoustics momentumco.com

Panel 48" x 111.8" x ()" (nom.) depth, color (), sound absorption 3/8": NRC 0.30. 1": NRC 0.70 – with 1" air gap: NRC 0.80. Fire rating ASTM E-84-15a: 3/8" FS:25 - SD:250, 1" FS:0 - SD:65, and CAN/ULC-S102 (3/8" only): FS:15 - SD:65.

Install as per Autex Acoustics recommendations.

If Cube is to be specified for use other than as a wallcovering, please seek guidance from your installation professional or Momentum account manager.



Product Specifications

Product Name	Cube™
Composition	100% polyester fiber
Panel Dimensions	48" x 111.8"
Tolerance	(+0.2") x (+0.4")
Thickness	3/8" 1"
Tolerance	(+/- 6%) (+/- 6%)
Weight	5.08 oz/ft ² 12 oz/ft ²

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website. If Cube is to be specified for use other than as a wallcovering, please seek guidance from your Momentum account manager.

Product Specifications

Fire Ratings

Cube has been evaluated using the following test methods.

ASTM E-84-15a

Class A, FS:24 - SD:250

(Cube™ 3/8")

RJ9445F-1a

Class A, FS:0 - SD:65

(Cube 1")

RJ4479-1

CAN/ULC-S102

FS:15 - SD:65

(Cube 3/8")

QA-2243F-3

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

Impact Resistance

ISO 7892:1988

Hard Body Impact

There is no surface damage or penetration to Cube when subjected to hard body impacts. When adhered to 10mm plasterboard, the system can resist a 9 joule impact.

This is equivalent to the impact of a 0.5kg object dropped from a 2m height. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5kg object dropped from a 0.5m height.

Soft Body Impact

There is no surface damage or penetration to Cube when subjected to soft body impacts. When adhered to 10mm plasterboard, the system can resist a 70 joule impact. This is equivalent to the impact of a 50kg object dropped from a 150mm height.

Microbial Resistance

ASTM G21-15

Growth rating: 0 (No growth)

Cube does not promote the growth of molds and mildew.

Color Fastness to Light

Cube is suitable for indoor use only. Light fastness is dependent on use and exposure.

Cube has 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 product has 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 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 solution.

Custom printed Cube requires the services of a specialist cleaning company. Refer to the Autex Acoustics Care and Maintenance Guide for more information.

Service

For further information about Cube or any other Autex Acoustics product, please contact your Momentum account manager or visit our website.



Acoustic Performance

Cube is specifically designed to reduce and control reverberated and echo noise in building interiors.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
●	3/8" Cube	0.00	0.05	0.15	0.40	0.70	0.85	0.30
●	1" Cube	0.05	0.20	0.60	0.90	1.00	1.00	0.70
●	1" Cube (with 1" air gap)	0.15	0.40	0.85	0.95	0.95	0.95	0.80

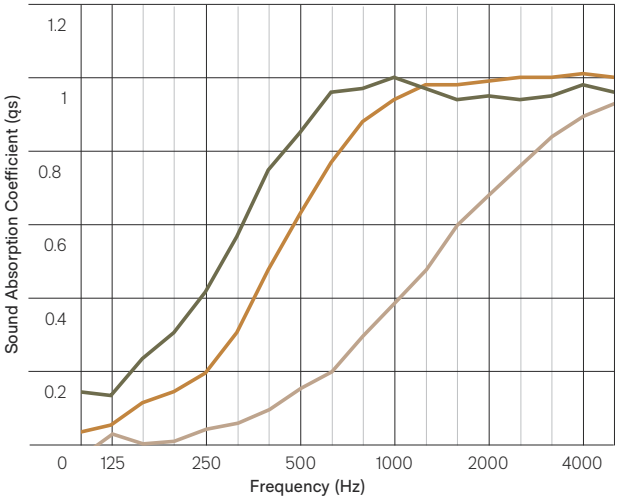
Graph presents third octave sound absorption coefficients (according to ISO 354 measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz, and 2000 Hz and rounded to the nearest 0.05.

Absorption coefficient according to ISO 354
University of Auckland Testing Service

3/8" Cube - Test No. T2408-4ATS

1" Cube - Test No. T1961-1

1" Cube (with 1" air gap) - Test No. T1326-2



Light Reflectance Values by Color

Cube is suitable for indoor use only. LRVs were measured in accordance with BS 8493:2008+A1:2010

Acros	40
Beehive	33
Canyon	19
Caspian	6
Cavalier	12
Empire	5
Falling Water	34
Flatiron	24
Gherkin	8
Herald	13
Highland	19
Muralla	9

Opera	49
Parthenon	33
Pavilion	80
Petronas	2
Pinnacle	3
Rushmore	41
Sargazo	4
Savoye	46
Senado	44
Terrace	24
Tree House	3

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