



**Product
overview**

Cube™ is a versatile acoustic panel designed for a variety of interior applications. Available in 12 mm and 24 mm thicknesses, Cube panels are lightweight and semi-rigid—made from 100% polyester fibre. Cube panels are customisable with Print, Mould & Press, Precision Cut, Groove, and Peel 'n' Stick, and require no edging or capping.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
 - >60% 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
certifications**

- EPD – compliant with ISO 14025 and EN 15804
- ISO 14001 Certified Environmental Management
- Declare – Red List free (third party verified)
- 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 Cube™ from thermally bonded high density polyester containing not less than 60% recycled material as manufactured by Autex www.autexglobal.com

Panel 1220 x 2440 x ()mm (nom.) depth, colour (), sound absorption 12 mm: Class D, NRC 0.45 – with 24 mm air gap: Class C, NRC 0.70. 24 mm: Class D, NRC 0.70

– with 24 mm air gap: Class C, NRC 0.80.
Fire rating ASTM E-84-15a: Class A, FS:0 - SD:45, ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003 Classification: Group 1, 12 mm BS EN 13501-1:2018: B - s2, d0, 24 mm BS EN 13501-1:2018: B - s2, d0.

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

Product specifications

Product name	Cube™
Composition	100% polyester fibre
Panel dimensions	1220 mm x 2440 mm
Tolerance	(+ 5 mm) x (+ 10 mm)
Thickness	12 mm 24 mm
Tolerance	(+/- 6%) (+/- 6%)

Thermal performance

(Internally tested by Autex Lab)

Cube 12 mm	R0.41 (@15°C)
Cube 24 mm	R0.82 (@15°C)

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 account manager.



Product specifications

Fire ratings

Cube 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

(SMOGRArc): <100m²/s2

Assessed using methodology AS ISO 9705 - 2003

in accordance with AS 5637:2015, as required

by NCC Specification 7: Fire Hazard properties:

S7C4

FI 4974

FAR 4055

BS EN 13501-1:2018

Wall applications

Classification: B-s2,d0

(Cube™ 12 mm)

Tested using BS EN ISO 11925-2:2020 and BS EN

13823:2020 and classified in accordance with BS

EN 13501-1:2018, as required by BS EN 15102:2007 +

A1:2011. EUI-20-000268-A

Wall applications

Classification: B-s2,d0

(Cube™ 24 mm)

Tested using BS EN ISO 11925-2:2020 and BS EN

13823:2020 and classified in accordance with BS

EN 13501-1:2018, as required by BS EN

15102:2007 + A1:2011.

7191343095-MEC24/03-JV

Ceiling applications

Classification: B-s2,d0

(Cube™ 12 mm)

Tested using BS EN ISO 11925-2:2020 and BS EN

13823:2020 and classified in accordance with BS

EN 13501-1:2018, as required by BS EN 13964:2014.

EUI-20-000268-B

Ceiling applications

Classification: B-s2,d0

(Cube™ 24 mm)

Tested using BS EN ISO 11925-2:2020 and BS EN

13823:2020 and classified in accordance with BS

EN 13501-1:2018, as required by BS EN

13964:2014.

7191343095-MEC24/03-JV

ASTM E-84-15a

Class A, FS:0 - SD:45

(Cube™ 1/2")

RJ4479-2

Class A, FS:0 - SD:65

(Cube™ 1")

RJ4479-1

Water vapour sorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour 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 10 mm

plasterboard, the system can

resist a 9 joule impact. This

is equivalent to the impact

of a 0.5 kg object dropped

from a 2 m height. A small

indentation might be observed

when subjected to an impact

equivalent to the impact of a

0.5 kg object dropped from

a 0.5 m height.

Soft body impact

There is no surface damage

or penetration to Cube when

subjected to soft body impacts.

When adhered to 10 mm

plasterboard, the system can

resist a 70 joule impact.

This is equivalent to the impact

of a 50 kg object dropped from

a 150 mm height.

Microbial resistance

ASTM G21-15

Growth rating: 0 (No growth)

Cube does not promote the

growth of moulds and mildew.

Colour 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)

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 product has 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 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

Cube Care and Maintenance

Guide for more information.

Service

For further information

about Cube or any other

Autex Acoustics product,

please contact your 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
● 12 mm Cube	0.05	0.10	0.30	0.65	0.90	0.95	0.45
● 12 mm Cube (with 25 mm air gap)	0.05	0.30	0.60	0.95	0.95	0.85	0.70
● 24 mm Cube	0.05	0.20	0.60	0.90	1.00	1.00	0.70
● 24 mm Cube (with 25 mm 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 centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

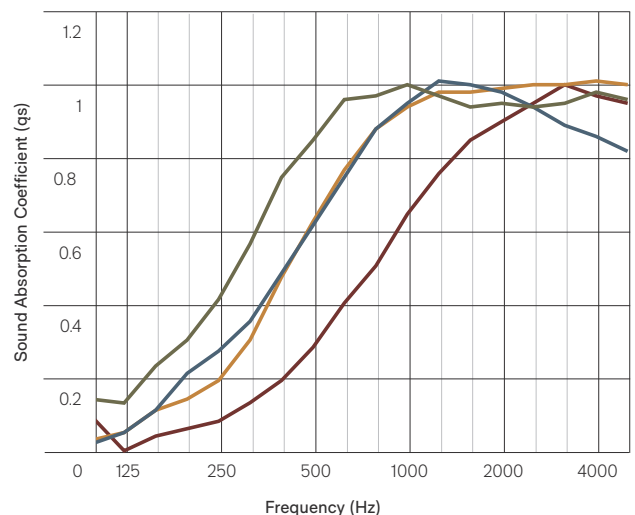
Absorption Coefficient According to ISO 354 University of Auckland Testing Service

Cube (12 mm) - Test No. T0712-3

Cube (12 mm with 25 mm air gap) - Test No. T0712-6

Cube (24 mm) - Test No. T1961-1

Cube (24 mm with 25 mm air gap) - Test No. T1326-2





**Light reflectance
values by colour**

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

Acros	40	Opera	49
Beehive	33	Parthenon	33
Canyon	19	Pavilion	80
Caspian	6	Petronas	2
Cavalier	12	Pinnacle	3
Empire	5	Sargazo	4
Falling Water	34	Savoye	46
Flatiron	24	Senado	44
Gherkin	8	Terrace	24
Highland	19	Tree House	3
Muralla	9		

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