

INTERIOR ACOUSTICS
CUBE™
DATASHEET



CUBE™

Cube™ is a lightweight but semi-rigid panel made from compressed polyester felt that has endless design flexibility. In standard panel sizes with options of 12mm or 24mm thicknesses, Cube works hard to reduce reverberation and control background chatter.

Cube can be cut, printed on or moulded with no need for edging or capping. It can be used in ceilings, as panels between workspaces or in bespoke installations with custom designs. And if that wasn't enough, just stick it straight to the wall with our Peel 'n' Stick backing options.

If you have your own ideas, our in-house design team are on hand to turn your vision into reality.

APPLICATIONS

- Decorative and functional acoustic wall covering for education, retail and commercial interiors
- Media for creative solutions
- Acoustic pinboard surface for education and commercial sectors
- Modular room divider for display, privacy and sound absorption

SPECIFICATION

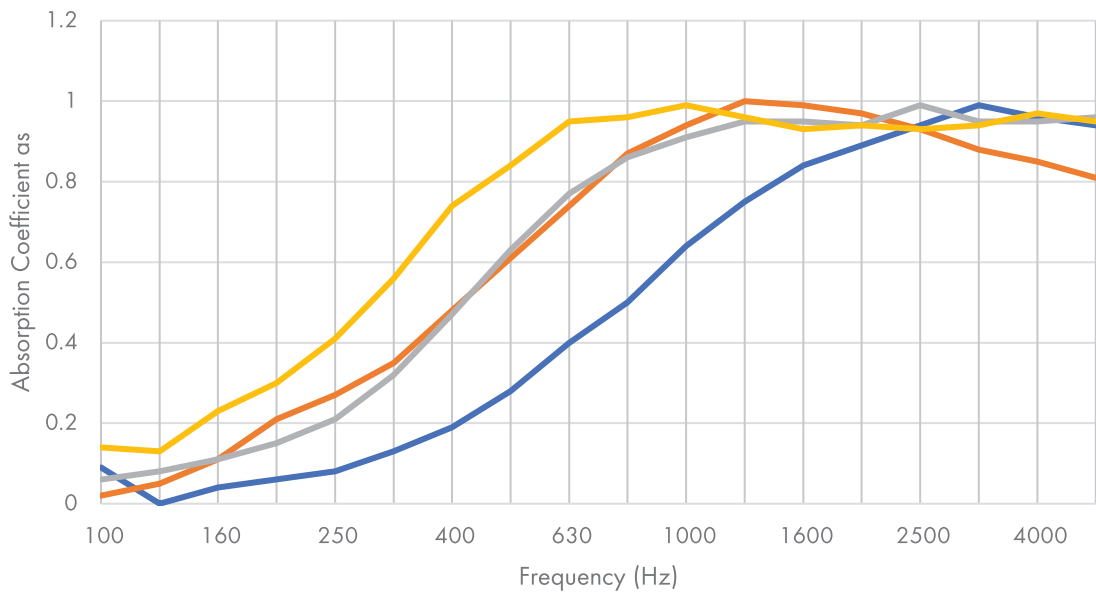
(Wall) treatment shall be Autex Cube™ from thermally bonded high density polyester containing not less than 45% recycled material as manufactured by Autex www.autexindustries.com

Panel 1220 x 2440 x ()mm (nom.) depth, colour (), sound absorption
12mm: Class D, NRC 0.45 – with 24mm air gap: Class C, NRC 0.70.
24mm: Class D, NRC 0.65 – with 24mm air gap: Class C, NRC 0.80.
Fire rating ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003
Classification: Group 1, EN13501-1:2007+A1:2009: B - s2, d2.

Install as per Autex recommendations.

If Autex Cube™ is to be specified for use other than as a wall covering, please seek guidance from your Autex Account Manager.

ABSORPTION COEFFICIENT ACCORDING TO ISO 354



Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
^{ap} 12mm Cube	T0712-3	0.05	0.10	0.30	0.65	0.90	0.95	0.45
^{ap} 12mm Cube (with 25mm air gap)	T0712-6	0.05	0.30	0.60	0.95	0.95	0.85	0.70
^{ap} 24mm Cube	T1316-4	0.10	0.25	0.60	0.90	0.95	0.95	0.65
^{ap} 24mm Cube (with 25mm air gap)	T1326-2	0.15	0.40	0.85	0.95	0.95	0.95	0.80

Table presents the practical sound absorption coefficients as according to ISO 11654. 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.

PRODUCT SPECIFICATIONS

Product Name	Cube™
Composition	100% Polyester Fibre
Panel Dimensions	1220mm x 2440mm
Tolerance	(+5mm) x (+10mm)
Thickness	12mm 24mm
Tolerance	(+/-6%)(+/-6%)
Weight	2300gsm/4600gsm

THERMAL PERFORMANCE

(Internally tested by Autex Lab)

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

INSTALLATION

Install as per Autex 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 Autex account manager.

LIGHT REFLECTANCE VALUES BY COLOUR

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

Pavilion	78	Zenith	22
Opera	49	Lotus	16
Savoye	47	Galaxy	16
Senado	45	Iron Bank	13
Rosada	45	Pinnacle	8
Acros	42	Empire	6
Falling Water	36	Tree House	3
Bosco	29	Petronas	2
Flatiron	25		

COLOUR OPTIONS



MOQ's apply to some colours. To find out more, or to order a sample, please contact your Account Manager or visit our website.