

# Cube™ data sheet

Autex Cube™ is a lightweight semi-rigid panel made with solid colour throughout, offering design flexibility without the need for edging or capping. Cube will help increase privacy in open offices, reduce reverberated sound, and assist in controlling background chatter noise.

Cube is made from polyester (which is recyclable) and manufactured in New Zealand under Autex's ISO 14001 certified Environmental Management System. Cube contains a minimum of 65% post-consumer recycled material (PET bottle-flake).

Cube is a high-density material manufactured from 100% polyester fibres. Cube is therefore completely safe, non-toxic, non-allergenic and non-irritant. Cube is ideally suited for office cube screen manufacture, partition dividers or as a pre-finished acoustic panel.

## Key Benefits

- Made in New Zealand
- Cube is made from 100% polyester fibre without chemical binders
- Manufactured using a minimum of 65% already recycled polyester fibre; made from post-consumer waste
- Design flexibility without the need for edging or capping, created with solid colour throughout
- Excellent acoustic performance
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Light-weight and easy to handle
- Offers complete design flexibility with our ability to provide custom colour printing
- Manufactured under ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems

## Applications

Acoustic and pinboard surface for modular office partition panelling.  
 Display, privacy and noise control for modular room divider.  
 Freestanding, or direct fix acoustic panel.  
 Decorative and functional acoustic wall covering for education, retail, and commercial interiors.



## Product Specifications

<b>Product Name</b>	Cube™
<b>Composition</b>	100% polyester fibre (PET)
<b>Panel Dimensions</b>	Standard: 2400mm (+ 10mm) x 1200mm (+ 5mm)

## Product Format

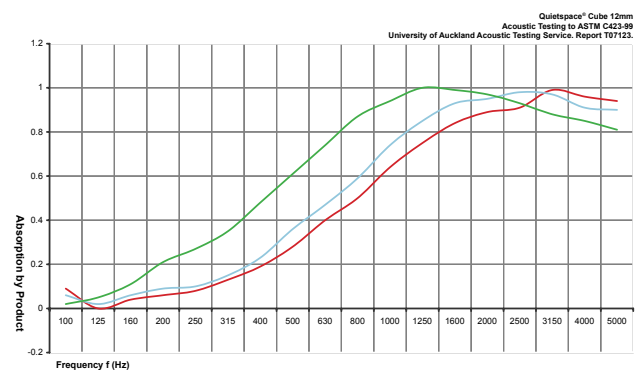
Thickness (mm)	12mm
Weight (gsm)	2400gsm
Density (Kg/m <sup>3</sup> )	200Kg/m <sup>3</sup>

## Fastness to Light

Cube is suitable for indoor use only.

## Acoustic Performance

Cube has been designed to reduce and control reverberated (echo) noise in building interiors.



Frequency (Hz)	250	500	1000	2000	4000	NRC
<b>Cube</b>	0.08	0.28	0.64	0.89	0.96	<b>0.45</b>
<b>Cube with 6mm air gap</b>	0.10	0.36	0.74	0.95	0.91	<b>0.55</b>
<b>Cube with 25mm air gap</b>	0.27	0.61	0.94	0.97	0.85	<b>0.70</b>

## Fire Ratings

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <5.0m<sup>2</sup>/s

As required by NZBC C/VM2

## AS ISO 9705 - 2003

Classification: Group 1

(SMOGR<sub>RC</sub>): <100m<sup>2</sup>/s<sup>2</sup>

As required by BCA C1.10

Tested 21 Aug 2012, BRANZ (FI 4974)

## VOC Emissions

Autex polyester has been tested by Cetec Pty Ltd (Report: CV080408) for chemical emission and is classified as low VOC. VOC concentration: 0.01 mg/m<sup>3</sup>

## Thermal Performance

Cube: R0.41 (@ 15°C)

## Moisture Absorption

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

## Environmental

Autex is committed to Quality and Environmental best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems.

Cube products contain a minimum of 65% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Uncontaminated Cube can be recycled.

Cube is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres will not become a potential airborne pollutant and will support safer indoor air quality.

## Fabric Care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the fabric finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

## 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.

## Service

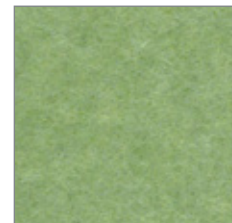
For further information about Cube or any other Autex products, please contact your local Autex Representative or visit our website.

Cube is a trademark of Autex Industries Ltd. Cube is proudly manufactured in New Zealand by Autex Industries Ltd.

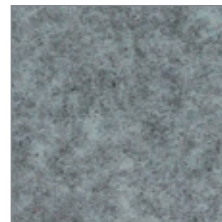
## Colour Options



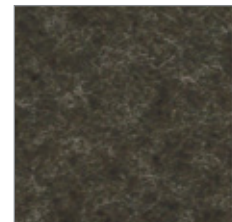
SHELL



PISTACHIO



SLATE



CEDAR



SILHOUETTE



TANGERINE

AUTEX



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