

Cube™ is manufactured by Autex Industries Ltd and Autex Pty Ltd under an ISO 9001 certified Quality and Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all of the performance properties stated within this guarantee.

<b>Product Name</b>	Cube™	
<b>Description</b>	100% polyester lightweight semi-rigid panel	
<b>Panel Dimensions</b>	1220mm (+5mm)	x 2440mm (+10mm)
<b>Thickness</b>	12mm	24mm
<b>Weight</b>	2400gsm	4800gsm
<b>Density</b>	200kg/m <sup>3</sup>	

**Composition**  
100% Polyester Fibre from polyethylene terephthalate (PET). Cube™ contains a minimum of 65% previously recycled polyester fibre.

**Suitable applications**

Pinboards, partitions, wallcovering with acoustic properties. Accepts pins and staples.

**Fastness to Light**

Cube™ is suitable for indoor use only.

**Thermal Performance**

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

**Fire Ratings** (Conducted on 12mm Cube)

**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>ARC</sub>): <100m<sup>2</sup>/s<sup>2</sup>  
As required by BCA C1.10  
FI 4974 dated 16th September, 2012

**EN13501-1:2007+A1:2009**  
B - s1, d2

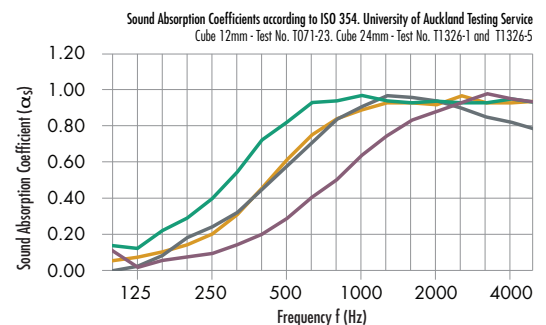
**Toxicity**

Polyester is classed as no more toxic than wood under the state of New York Article 15 part 1120. Polyester is pH7.8 (where pH7.0 is neutral), resistant to biological, bacterial or vermin attack.

**Acoustic Performance**

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

Minimum Noise Reduction Coefficient 0.45



Frequency (Hz)	100	250	500	1000	2000	4000	NRC
12mm Cube	0.05	0.10	0.30	0.65	0.90	0.95	0.45
12mm Cube with 25mm air gap	0.02	0.27	0.61	0.91	0.97	0.85	0.70
24mm Cube	0.10	0.25	0.60	0.90	0.95	0.95	0.65
24mm Cube with 25mm air gap	0.15	0.40	0.85	0.95	0.95	0.95	0.80

**Finish**

Non-woven. No pattern repeat but Cube™ has a 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.

**Physical description / properties**

Boiling Point:	N/A
Melting Point:	230°C
Vapour Pressure:	N/A
Specific Gravity:	Polyester 1.38
Flash point:	N/A
Explosive limits:	N/A
Solubility in water:	Not soluble
Alkalinity:	pH 7.8
Relative Vapour Density:	N/A

**Care and Maintenance**

Maintain in accordance with the Care and Maintenance Guide available for this product.