

Cube™ is manufactured by Autex Industries Ltd and Autex Pty Ltd under an ISO 9001 accredited 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>	3'11 1/4" x (+3/16"/-0")	7'10 1/2" (+13/32"/-0")
<b>Thickness (+/-0%)</b>	1/2"	1"
<b>Weight (+/-10%)</b>	7.87oz/ft <sup>2</sup>	15.74oz/ft <sup>2</sup>
<b>Density</b>	12.49pcf	

Thickness measured in accordance with AS/NZS 2111.1:1996 – ISO2094:1986

**Composition**

100% polyester fiber from polyethylene terephthalate (PET). Cube™ contains a minimum of 65% previously recycled polyester fiber.

**Suitable applications**

Tackboards, partitions, wallcovering with acoustic properties. Accepts tacks and staples.

**Fastness to Light**

Cube™ is suitable for indoor use only.

**Thermal Performance**

Cube™ 1/2"	R2.32 (@59°F)
Cube™ 1"	R4.66 (@59°F)

**Fire Ratings** (Conducted on 0.47" Cube)

**ASTM E-84-14**

Class A, FS:0 - SD:10  
RJ3297-10R1 dated 17th March, 2015

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

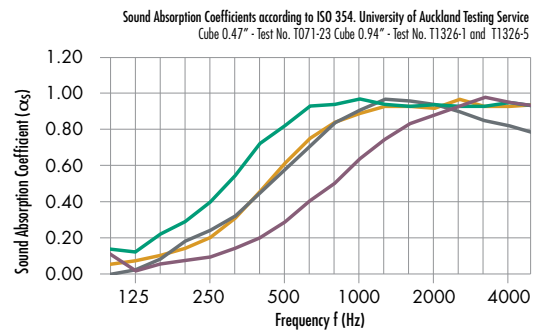
**Toxicity**

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
1/2" Cube	0.05	0.10	0.30	0.65	0.90	0.95	0.45
1/2" Cube with 1" air gap	0.02	0.27	0.61	0.91	0.97	0.85	0.70
1" Cube	0.10	0.25	0.60	0.90	0.95	0.95	0.65
1" Cube with 1" 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:	446°F
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 Vapor Density:	N/A

**Care and Maintenance**

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