



# INTERIOR ACOUSTICS

# QUIETSPACE® PANEL

## MANUFACTURER'S GUARANTEE

Quietspace® Panel is manufactured by Autex Australia Pty under an ISO 9001 and ISO 14001 certified Environmental and Quality 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.

**Product Name** Quietspace® Panel  
**Description** 100% polyester fibre needle punched and thermally bonded

AUTEX	METRIC				IMPERIAL			
Panel Dimensions	1200mm x 2400mm				4' x 8'			
	(+5mm/-0mm) x (+10mm/-0mm)				(+0.20") x (+0.39")			
Thickness	25mm	50mm	75mm	100mm	1"	2"	3"	4"
Tolerance	(+/- 6%)				(+/- 6%)			
Weight	2300gsm	3800gsm	4050gsm	4300gsm	7.54oz/ft <sup>2</sup>	12.45oz/ft <sup>2</sup>	13.27oz/ft <sup>2</sup>	14.09oz/ft <sup>2</sup>

### COMPOSITION

100% polyester fibre from polyethylene terephthalate (PET). Quietspace Panel contains a minimum of 45% recycled polyester fibre.

### SUITABLE APPLICATIONS

High-performance acoustic control for building interiors including: theatres, auditoriums, recording/broadcasting studios, gymnasiums, open-plan offices, restaurants, and classrooms.

### LIGHT REFLECTANCE

Nude White Quietspace Panel is suitable for indoor use only and has a light reflectance value of 83 (measured in accordance with BS 8493:2008+A1:2010).

### FIRE RATINGS

Quietspace® Panel has been evaluated using the following test methods:

#### 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>  
 Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10.4.  
 FI 4871  
 FAR 4055

#### EN13501-1:2007 (25mm Quietspace® Panel)

B - s<sub>2</sub>, d<sub>0</sub>  
 Report 185157

#### EN13501-1:2007+A1:2009 (50mm Quietspace® Panel)

B - s<sub>2</sub>, d<sub>2</sub>  
 Report WF 336912

#### ASTM E-84-14: (1" Quietspace® Panel)

Class A FS:0 - SD:10  
 Report R]3297

### ACOUSTIC PERFORMANCE

Quietspace Panel is specifically designed to reduce and control reverberation and echo noise in building interiors.

Minimum Noise Reduction Coefficient 0.85

Acoustic testing to ISO 354. University of Auckland Testing Service Report

	University of Auckland Test report Number	Frequency (Hz)						NRC
		125	250	500	1000	2000	4000	
25mm	T0712-18	0.15	0.45	0.85	1.00	1.00	1.00	0.85
50mm	T1228-8	0.30	0.75	1.00	1.00	1.00	1.00	1.00
75mm	T1905-4	0.50	0.90	1.00	1.00	1.00	0.95	1.00
100mm	T1905-5	0.65	1.00	1.00	1.00	0.95	0.95	1.00

### IMPACT RESISTANCE

ISO 7892:1988

#### Hard Body Impact

There is no surface damage or penetration to Quietspace panel when subjected to hard body impacts. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5kg object dropped from a 0.5-m height. When adhered to 10mm plasterboard, the system can resist a 14-joule impact, and no further indentations are observed. This is equivalent to the impact of a 0.5kg object dropped from a 3m height.

#### Soft Body Impact

There is no surface damage or penetration to Quietspace Panel when subjected to soft body impacts. When adhered to 10mm plasterboard, the system can resist a 120-joule impact. This is equivalent to the impact of a 50-kg object dropped from a 250mm height.

### THERMAL PERFORMANCE

(Internally tested by Autex Lab)

25mm: R0.6 (@23°C)  
 50mm: R1.4 (@23°C)  
 75mm: R1.9 (@23°C)  
 100mm: R2.4 (@23°C)

### VOC EMISSIONS

Autex polyester has been tested by Cetec Pty Ltd (Report: CV170908) for chemical emission and is classified as low VOC.

VOC concentration: 0.009 mg/m<sup>3</sup> (7 days)



## PHYSICAL DESCRIPTION/PROPERTIES

Boiling Point:	N/A
Melting Point:	250°C   482°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 Vapour Density:	N/A

## CARE AND MAINTENANCE

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



[www.autexglobal.com](http://www.autexglobal.com)

AN ISO 9001 AND ISO 14001 CERTIFIED COMPANY

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