



# INTERIOR ACOUSTICS

# QUIETSPACE® PANEL

## MANUFACTURERS GUARANTEE

Quietspace® Panel is manufactured by Autex Industries Ltd under an ISO 9001 certified Quality Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturers 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  
**Panel Dimensions** 1220mm x 2440mm  
 (+ 5mm/-0mm) (+ 10mm/-0mm)

### THICKNESS AND WEIGHT

25mm (+/-6%): 2300gsm  
 50mm (+/-6%): 3800gsm

### 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

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

(Testing results for 25mm & 50mm Quietspace® Panel)

#### 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>  
 Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4.  
 FI 4871 dated 11th July, 2012 and FAR 4055-2 dated 8th October, 2013

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

B - s2, d0  
 Report 185157 dated 22nd July, 2009

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

B - s2, d2  
 Report WF 336912 dated 25th February, 2014

### ACOUSTIC PERFORMANCE

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

Minimum Noise Reduction Coefficient 0.85

Acoustic testing to ISO 354. University of Auckland Testing Service Report  
 25mm Test: T0712-18. 50mm Test: T1228-8.

| Frequency (Hz)         | 125  | 250  | 500  | 1000 | 2000 | 4000 | NRC  |
|------------------------|------|------|------|------|------|------|------|
| 25mm (α <sub>s</sub> ) | 0.12 | 0.47 | 0.88 | 0.98 | 0.99 | 0.93 | 0.85 |
| 50mm (α <sub>s</sub> ) | 0.24 | 0.76 | 1.09 | 1.09 | 1.05 | 1.01 | 1.00 |

### THERMAL PERFORMANCE

25mm: R0.64 (@15°C)  
 50mm: R1.48 (@15°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  
 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.

