Quietspace®
Panel

Engineered for superior sound absorption and balanced acoustic design; Quietspace® Panel is a premium sound solution for wall and ceiling applications. Utilising the latest technology, any image or design can be recreated as a unique acoustic detail, custom panel or artwork.

An ideal alternative to fabric wrapped frames. Quietspace® Panel is light-weight, semi-rigid, impact resistant and incredibly durable, allowing interior designers to explore new horizons and break established boundaries, whilst achieving high levels of sound absorption.

Quietspace® Panel is supplied to site in sheet form that can be cut-in and framed on-site eliminating issues with on-site variations in wall size and shape that have traditionally posed problems for fabric wrapped panels manufactured and finished off-site.

Quietspace® Panel is made from 100% recyclable polyester and manufactured under Autex's ISO 14001 accredited Environmental Management System. Quietspace® Panel contains a minimum of 45% post-consumer recycled material (PET bottle-flake).

Key Features and Benefits

- Premium acoustic performance

- Offers complete design flexibility with our ability to provide custom colour printing

- Available in 25mm, 50mm, 75mm or 100mm thickness options

- Made from 100% polyester fibre without chemical binders or retardants

- Manufactured using a minimum of 45% already recycled material from post-consumer waste

- Highly durable providing long-term stability and performance

- Safe, non-toxic, non-irritant and non-allergenic

- Resistant to fading

- Light-weight and easy to handle

- Manufactured under ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems

- Does not contain any Red List chemicals *

Applications

- High performance acoustic panel for commercial interior sound control with a sophisticated appeal

- Refined acoustic surface for framed modular office partition panelling

- Suspended or direct fixed feature for ceilings

- Wallcovering with exceptional absorption of reverberated noise

- Functional acoustic wallcovering for retail and commercial interiors

- A decorative feature with custom cut and custom printing options available

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Specification:

(Wall/Ceiling) treatment shall be **Quietspace® Panel** from thermally bonded polyester containing not less than 45% post-consumer recycled material as manufactured by Autex **www.autexindustries.com**

Panel 1220mm x 2440mm x (_)mm nom depth, sound absorption: 25mm: Class C, NRC 0.85, 50mm: Class A, NRC 1.00, 75mm: Class A, NRC 1.05, 100mm: Class A, NRC 1.05,

Fire rating 25mm: ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003: Group 1, EN13501-1:2007+A1:2009: B – s2, d0 50mm: EN13501-1:2007+A1:2009: B - s2, d2

Install as per Autex recommendations. If Quietspace® Panel is to be specified for use other than as a ceiling or wallcovering please seek guidance from your Autex Account Manager.

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*   Green Building Rating Compatibility certificate can be found on **www.envirospec.co.nz** or from your Autex Account Manager

Product Name   Quietspace® Panel
Composition   100% Polyester Fibre (PET)
Panel Dimensions 1220mm x 2440mm
                 (+ 5mm/−0mm)   (+ 10mm/−0mm)

Thickness and Weight

25mm (+/−6%): 2400gsm   75mm (+/−6%): 5260gsm
50mm (+/−6%): 3900gsm 100mm (+/−6%): 6800gsm

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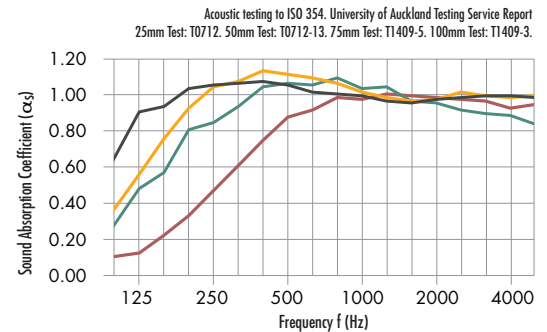
Installation

Install as per Autex recommendations.

Light Reflectance

Quietspace® Panel is suitable for indoor use only and has been tested to the following standard:
ASTM 5036: 83

Thermal Performance

25mm: R0.64 (@15°C)   75mm: R2.12 (@15°C)
50mm: R1.48 (@15°C) 100mm: R2.96 (@15°C)

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. 50mm Test: T0712-13. 75mm Test: T1409-5. 100mm Test: T1409-3.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
25mm (α_S)	0.12	0.47	0.88	0.98	0.99	0.93	0.85
50mm (α_S)	0.48	0.85	1.07	1.04	0.96	0.89	1.00
75mm (α_S)	0.56	1.05	1.12	1.02	0.98	0.99	1.05
100mm (α_S)	0.91	1.06	1.06	1.00	0.98	1.00	1.05

Fire Ratings (Testing results for 25mm Quietspace® Panel)

ISO 9705: 1993
Classification: Group 1-S
Smoke Production Rate: <5.0m^2/s
As required by NZBC C/VM2

AS ISO 9705 - 2003
Classification: Group 1
(SMOGRA$_{RC}$): <100m^2/s2
As required by BCA C1.10
Tested 16 May 2012, BRANZ (FI 4871)

EN13501-1:2007
B - s2, d0
Report 185157 dated 22nd July, 2009

EN13501-1:2007+A1:2009 (50mm Quietspace® Panel)
B - s2, d2
Report WF 336912 dated 25nd February, 2014

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^3

Impact Resistance

Quietspace$^+$ Panel has been impact resistance tested to EN13964:2004 and meets the criteria of Class 1A; not adversely affected at impact velocities over 16.5m/s.

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.

Fabric Care

Refer to Cleaning Guide www.autexindustries.com

Environmental

Autex Quietspace Panel is manufactured using 100% polyester fibre and contains a minimum of 50% post consumer recycled content (i.e. PET plastic bottles).

Autex Quietspace Panel is Global GreenTag GreenRate Level A certified and can be used to contribute to Green Star NZ accreditation. Autex Quietspace Panel is also Declare certified to be Red-List Free and can be used in Living Building Challenge projects.

All Autex product declarations are independently verified under the auditing process of our ISO 14001 Environmental Management System. For more information, please contact your Autex Account Manager, or visit our website www.autexindustries.com

Service

For further information about Quietspace® Panel or any other Autex product, please contact your Autex Account Manager or visit our website.

Quietspace® is a trademark of Autex Industries Limited and Autex Pty.

Quietspace® Panel is proudly manufactured in New Zealand by Autex Industries Ltd and in Australia by Autex Pty Ltd.

AUTEX

AN ISO 9001 AND ISO 14001 ACCREDITED COMPANY