

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

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 1200mm x 2400mm 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.

* 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 1200mm x 2400mm
(+ 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

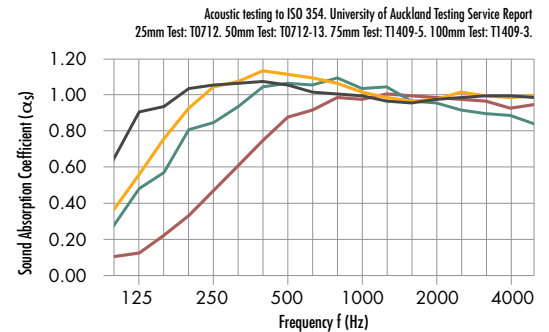
Installation
 Install as per Autex recommendations.

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



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
25mm (αs)	0.12	0.47	0.88	0.98	0.99	0.93	0.85
50mm (αs)	0.48	0.85	1.07	1.04	0.96	0.89	1.00
75mm (αs)	0.56	1.05	1.12	1.02	0.98	0.99	1.05
100mm (αs)	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: <5.0m²/s
 As required by NZBC C/VM2

AS ISO 9705 - 2003
 Classification: Group 1
 (SMOGRARC): <100m²/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/m³

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
 Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

Environmental
 Autex is committed to best practice through our ISO 9001 and ISO 14001 accredited Quality and Environmental Management Systems.

Quietspace® Panel products contains a minimum of 45% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Uncontaminated Panel can be recycled.

Quietspace® Panel is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Autex polyester fibres support safer indoor air quality and will not become a potential airborne pollutant.

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.