

Product Information

Quietspace® Panels have been engineered for superior sound absorption and balanced acoustic design. Quietspace® Panels are ideal for wall and ceiling applications and can be fabric-faced or digitally printed. Utilising the latest technology, any image or design can be recreated as a unique acoustic detail, custom panel or artwork.

No longer are acoustic panels restricted to fabric wrapped frames. Light-weight, semi-rigid, impact resistant and incredibly durable, Quietspace® Panels allow interior designers to explore new horizons and break established boundaries.

Quietspace® products are made from polyester (which is recyclable) and manufactured under Autex's ISO 14001 certified Environmental Management System. Quietspace® Panels contain a minimum of 60% post-consumer recycled material (PET bottle-flake).

Quietspace® Panels are 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.

Key Benefits

Quietspace® Panel is made from 100% polyester fibre without chemical binders or retardants

Manufactured using a minimum of 60% already recycled polyester fibre; made from post-consumer waste

Excellent acoustic performance

Highly durable providing long-term stability and performance

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

Resistant to fading (refer to 'Fastness to Light')

Light-weight and easy to handle

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

Manufactured under ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems

Applications

High performance acoustic panel for commercial interior sound control

Acoustic and pinboard surface for modular office partition panelling

Display, privacy and noise control when framed for modular room divider

Framed for freestanding, or direct fix acoustic panel

Decorative and functional acoustic wall covering for education, retail, and commercial interiors

Product Specifications

Product Name	Quietspace® Panels
Composition	100% polyester fibre (PET)
Panel Dimensions	Standard: 2410mm (+/- 10mm) x 1205mm (+5 / -0mm)

Product Format

Thickness	25mm	50mm
Weight (gsm)	2300gsm	3800gsm

Quietspace® Panels are available as standard 25mm or 50mm thick panels. Quietspace® Panels can be pre-finished with Autex Vertiface® fabric, supplied white (nude) or custom printed.

Custom Options

Utilising the latest technology Quietspace® Panels can be printed to create unique colours and patterns, incorporate branding or add interest through adding the appearance of textured finishes. For custom print options, please discuss your requirements with your Autex Representative.

Optional finishing kits of framing and fixings are available for the 25mm and 50mm Quietspace® Panel products. Please discuss your requirements with your Autex Representative.

Durability

Quietspace® Panels are manufactured from thermally bonded polyester fibres and are highly durable and impact resistant. However, extra consideration should be given to installations in high impact prone areas. Please discuss your requirements with your Autex Representative.

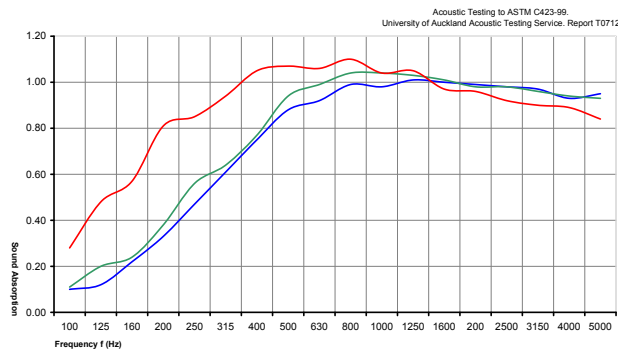
Thermal Performance

Quietspace® 50mm Panel: R1.48 (@ 15° C)

Quietspace® 25mm Panel: R0.64 (@ 15° C)

Acoustic Performance

Quietspace® Panels have been designed to reduce and control reverberated (echo) noise in building interiors.



Frequency (Hz)	25mm Panel	25mm Panel with 6mm air gap	50mm Panel
100	0.10	0.11	0.28
125	0.12	0.20	0.48
160	0.22	0.24	0.57
200	0.33	0.38	0.81
250	0.47	0.56	0.85
315	0.61	0.64	0.94
400	0.75	0.77	1.05
500	0.88	0.94	1.07
630	0.92	0.99	1.06
800	0.99	1.04	1.10
1000	0.98	1.04	1.04
1250	1.01	1.03	1.05
1600	1.00	1.01	0.97
2000	0.99	0.98	0.96
2500	0.98	0.98	0.92
3150	0.97	0.96	0.90
4000	0.93	0.94	0.89
5000	0.95	0.93	0.84
NRC	0.85	0.90	1.00

Fire Ratings

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

(SMOGR_{RC}): <100m²/s²

As required by BCA C1.10

Tested 16 May 2012, BRANZ (F1 4871)

Installation

Please refer to the Quietspace® Panels Installation Guide for instructions and hints.

Fastness to Light

Quietspace® Panels are suitable for indoor use only.

Custom printed Panels can be offered with UV resistance on request. Please discuss your requirements with your Autex Representative.

Autex Vertiface® fabric has been tested to the following standard:

ISO105-B02-1994 (Grey Scale 1-5)

Light Fastness Rating: 3

Environmental

Autex is committed to Quality and Environmental best practice through our ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. Quietspace® Panel products contain a minimum of 60% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is reused or recycled wherever possible.

Uncontaminated Quietspace® Panels can be recycled. Quietspace® Panels are manufactured from 100% polyester fibres and do not contain formaldehyde binders. The fibres will not become a potential airborne pollutant and will support safer indoor air quality.