



Product overview

Quietspace® Panel is a high-performance acoustic treatment engineered to absorb a minimum of 85% of the sound energy it meets. Made from 100% polyester fiber, Quietspace Panel has a hard, compressed face and cushioned backing, available in 1" and 2" thicknesses.

Specification

(Wall/Ceiling) treatment shall be Quietspace® Panel made from thermally bonded polyester containing no less than 45% recycled material as manufactured by Autex www.autexglobal.com

Classification: Group 1-S, AS ISO 9705 – 2003: Group 1, 1": BS EN 13501-1:2018: B - s2, d2, 2": EN13501-1:2007+A1:2009: B - s2, d2.

Panel 4' x 8' (□) nom depth, sound absorption:1": Class B, NRC 0.85. 2": Class A, NRC 1.00. 1": ASTM E-84: Class A FS:0 - SD:10, 2": Class B FS:50 - SD:130, ISO 9705:

Product specifications

Product name	Quietspace® Panel	
Composition	100% polyester fiber (PET)	
Panel dimensions	4' x 8'	
Tolerance	(+0.20") x (+0.39")	

Thickness	1"	2"
Tolerance	(+/- 6%)	(+/- 6%)
Weight	7.54 oz/ft ²	12.45 oz/ft ²

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack, or available on the website. In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to.

Please consult the project engineer and relevant expert such as a fire protection engineer. If Quietspace Panel is to be specified for use other than as a wallcovering, please seek guidance from your account manager.

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).

Thermal performance

(Internally tested by Autex Lab)

1": R3.4 (@59°F)

2": R7.9 (@59°F)



Product specifications

Fire ratings

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

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_{Arc}): <100m²/s²

Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:12015, as required by BCA Specification C110-4 FI 4871 FAR 4055

BS EN 13501-1:2018

(25 mm Quietspace® Panel)

Wall applications

Classification: B-s₂d₂

Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 15102:2007 + A1:2011. EUI-21-000135-E-A

Ceiling applications

Classification: B-s₂d₂

Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 13964:2014. EUI-21-000135-E-B

ASTM E84 - 14

(1" Quietspace® Panel)

Class A, FS:0 - SD:10

RJ3297

Water vapour sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapor absorbed and adsorped after 4 days:
0.4% by weight.

Pattern repeat

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fiber blending and lay-up, which is an inherent feature of this product.

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 0.5 kg object dropped from a 0.5 m height. When adhered to 10 mm plasterboard, the system can resist a 14 joule impact, and no further indentations are observed. This is equivalent to the impact of a 0.5 kg object dropped from a 3 m height.

Soft body impact

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

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
Quietspace Panel does not promote the growth of molds and mildew.

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. Custom printed Quietspace Panel requires the services of a specialist cleaning company. Refer to the Quietspace Panel Care and Maintenance Guide for more information.

Environmental

Autex Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

Quietspace Panel contains a minimum of 45% previously recycled polyester fiber (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

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

Service

For further information about Quietspace Panel or any other Autex Acoustics product, please contact your account manager or visit our website.

Acoustic performance

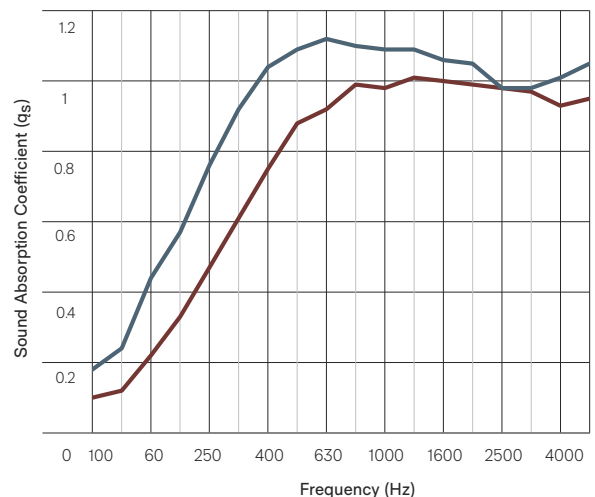
Quietspace Panel is specifically designed to reduce and control reverberated noise and echo in building interiors. Minimum Noise Reduction Coefficient 0.85

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 1"	0.15	0.45	0.85	1.00	1.00	0.95	0.85
● 2"	0.30	0.75	1.10	1.10	1.05	1.00	1.00

Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (according to ISO 354 measurement of sound absorption in a reverberation room). The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz and rounded to the nearest 0.05.

Absorption Coefficient according to ISO 354

University of Auckland Testing Service
Quietspace Panel 1" - test no. T0712-18
Quietspace Panel 2" - test no. T1228-8





Caring for the environment

Quietspace Panel is manufactured using 100% polyester fiber and contains a minimum of 45% recycled fiber (from PET plastics). Our products are designed to be recycled at the end of their life too.

We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate Level A, Health Product Declaration (HPD), and CDHP Standard certified.

Quietspace Panel is DeclareSM certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.



● Autex Industries Ltd

702-718 Rosebank Rd
Private Bag 19988
Avondale 1746, Auckland
New Zealand
Freephone 0800 428 839
Phone +64 9 828 9179
Fax +64 9 828 5810

● Autex Australia Pty Ltd

166 Bamfield Road
PO Box 5099
West Heidelberg, Melbourne
VIC 3081, Australia
Freephone 1800 678 160
Phone +61 3 9457 6700
Fax +61 3 9457 1020

● Autex Acoustics Ltd

Unit J4, Lowfields Way,
Lowfields Business Park,
Elland, West Yorkshire
HX5 9Da
United Kingdom
Phone +44 0 1422418899

● Autex Acoustics LLC

1630 Dan Kipper Dr,
Riverside, CA 92507
United States of America
Phone +1 424 203 1813

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