



**Autex
Acoustics®**

Quietspace® Panel

**Manufacturer's
Guarantee**

Quietspace® Panel is manufactured by Autex Industries Ltd under an ISO 9001 and ISO 14001 certified Environmental and Quality Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all of the performance properties stated within this guarantee.

Specification

Product name Quietspace® Panel

Description 100% polyester needle punched, thermally bonded

Metric

Panel dimensions	1220 mm x 2440 mm			
Tolerance	(+5 mm width) x (+10 mm length)			
Thickness	25 mm	50 mm	75 mm	100 mm
Tolerance	(+/- 6%)			
Weight	2100 gsm	3600 gsm	3850 gsm	4100 gsm

For panels that have a layer of velour Vertiface® laminated to the face, the stated nominal thickness will increase by 3 mm.

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

Acoustic performance

Quietspace Panel is specifically designed to reduce and control reverberation and echo noise in building interiors.

Minimum Noise Reduction Coefficient 0.85

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 25 mm		0.15	0.45	0.85	1.00	1.00	0.95	0.85
● 50 mm		0.30	0.75	1.10	1.10	1.05	1.00	1.00
● 75 mm		0.50	0.90	1.05	1.05	0.95	0.90	1.00
● 100 mm		0.65	1.00	1.05	1.00	0.95	0.90	1.00



Service	For further information about Quietspace Panel or any other Autex Acoustics product, please contact your Autex account manager or visit our website.
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Care and maintenance	Maintain in accordance with the Care and Maintenance Guide available for this product.
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Product specifications

Composition

100% Polyester Fibre from polyethylene terephthalate (PET). Quietspace Panel contains an average of 58% recycled polyester fibre*.

Suitable applications

Acoustic wallcovering. Accepts pins and staples.

Light reflectance

Nude 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

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
(SMOGRArc): <100m²/s²

Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:1:2015, as required by NCC Specification 7: Fire Hazard properties: S7C4 FI 4871 FAR 4055

*Recycled content for Quietspace Panels varies between colours. Minimum recycled content for specific Quietspace Panel style is available upon request from your Autex Acoustics' account manager.

BS EN 13501-1:2018 (25 mm Quietspace® Panel)

Wall applications

Classification: B-s2,d2

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-B

Ceiling applications

Classification: B-s2,d2

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 vapour absorbed and adsorbed 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 fibre 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 moulds and mildew.

Colour fastness to light

Visage is suitable for indoor use only. Light fastness is dependent on use and exposure. Visage has been evaluated to the following standard:
ISO 105-B02:2014
Rating: 6 (Highest = 7)

Colour fastness to rubbing

ISO 105-X12:2016
Dry Rating: 4-5 (Highest = 5)
Wet Rating: 4-5 (Highest = 5)

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.

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