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	1220mm x 2440mm			
Tolerance	*(+5mm) (+10mm)*			
Thickness	25mm	50mm	75mm	100mm
Tolerance	*(+/- 6%)*			
Weight	2300gsm	3800gsm	4050gsm	4300gsm

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
25mm	0.15	0.45	0.85	1.00	1.00	0.95	0.85
50mm	0.30	0.75	1.10	1.10	1.05	1.00	1.00
75mm	0.50	0.90	1.05	1.05	0.95	0.90	1.00
100mm	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 product, please contact your Autex account manager or visit our website.

Care and Maintenance

Maintain in accordance with the Care and Maintenance Guide available for this product.

Product Specifications

Composition
100% Polyester Fibre from polyethylene terephthalate (PET). Visage contains a minimum of 60% 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 BCA Specification C1.10-4
FI 4871
FAR 4055

EN13501-1:2007
(25mm Quietspace® Panel)
B - s2, d0
Report 185157

EN13501-1:2007+A1:2009
(50mm Quietspace® Panel)
B - s2, d2
Report WF 3369

ASTM E84 - 14
(1" Quietspace® Panel)
Class A, FS:0 - SD:10
RJ3297

Thermal performance
(Internally tested by Autexlab)
25mm: R0.6 (@23oC)
50mm: R1.4 (@15oC)
75mm: R2.0 (@15oC)
100mm: R2.4 (@15oC)

Water Vapour Sorption
ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour 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 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 0.5kg object dropped from a 0.5-m height. When adhered to 10mm plasterboard, the system can resist a 14-joule impact, and no further indentations are observed. This is equivalent to the impact of a 0.5kg object dropped from a 3m height.

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

Microbial Resistance
ASTM G21-15
Growth Rating: 0 (No growth)
Quietspace Panel does not promote the growth of moulds and mildew.

Colour Fastnes 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.

Environmental

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

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

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

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