

# MBS

Architectural

## Autex Quietspace Panel

**TECHNICAL DATA SHEET**



# Your Ceiling Specialist

Every material. One source.

## PARTNERING WITH THE WORLD'S LEADING CEILING *MANUFACTURERS*

Great design is in the detail, and the details are our speciality. We offer the broadest range of premium products from a single source. Our proprietary systems provide the platform for your unique design, giving you complete freedom and customisation to create truly stunning projects.

MBS Architectural can supply any of the products featured in this brochure, and be your one point of contact throughout the project lifecycle - from design conception to installation on site.

Reach out to get your hands on product samples, or discuss your project in more detail - **03 9580 7800 / [hello@mbsarchitectural.com.au](mailto:hello@mbsarchitectural.com.au)**



Quietspace® Panel

● Quietspace® Panel  
in Nude Black

● Blum,  
New Zealand



# The strong silent type

Quietspace® Panel is a discrete, high-performance acoustic treatment engineered to absorb a minimum of 85% of the sound energy it meets—perfect for reducing reverberation and echo in spaces with high noise levels. Designed to blend into any interior environment, Quietspace Panel is available in black, white, or grey; for more colourful applications it can be laminated or overlaid with Vertiface®.

Quietspace® Panel is made from 100% polyester fibre, with a hard, compressed face and cushioned backing to optimise the range of frequency absorption—available in 25 mm, 50 mm, 75 mm, or 100 mm thicknesses to meet the requirements of your project.

To find out more about Quietspace Panel  
visit [www.autexglobal.com](http://www.autexglobal.com)

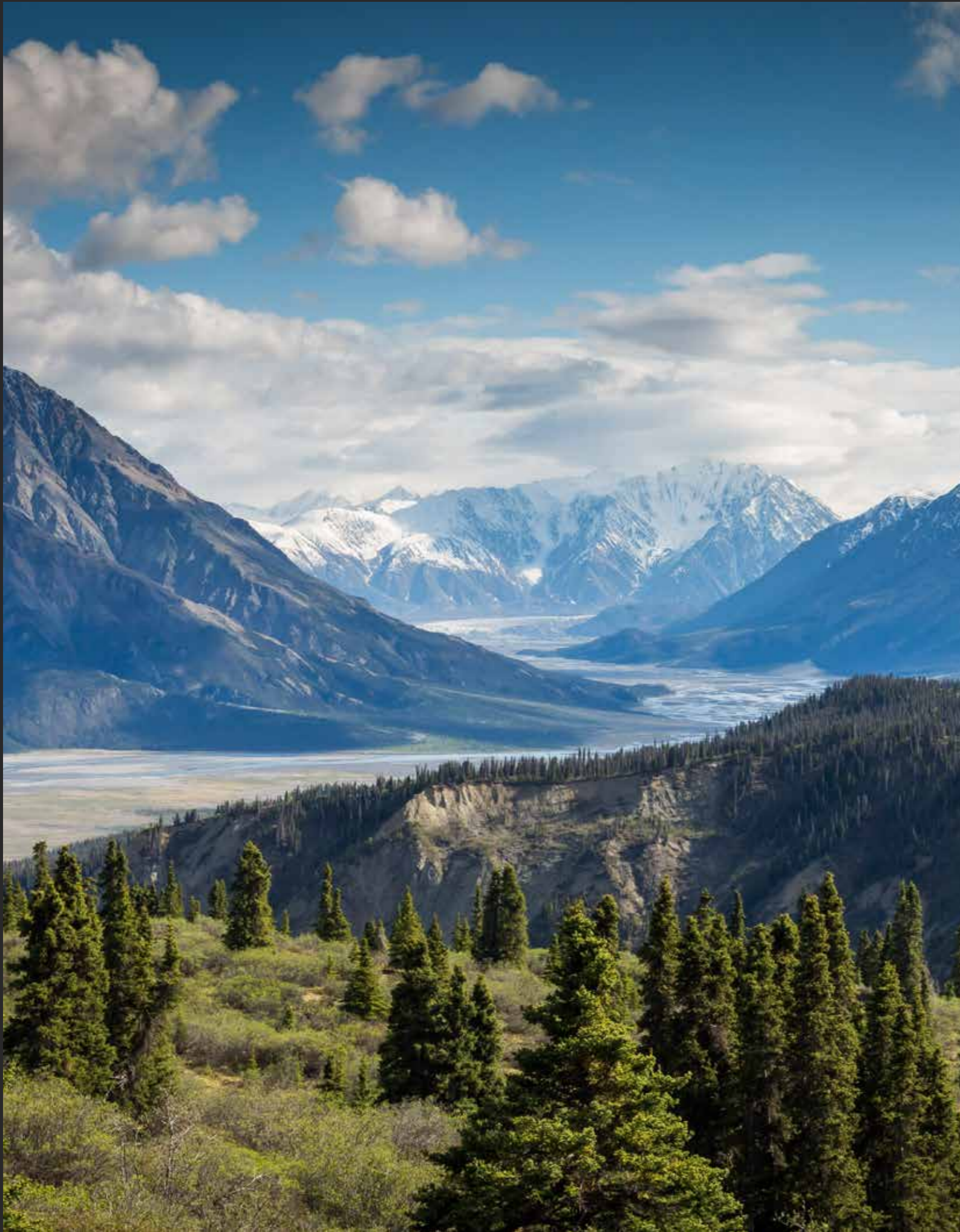


#### Features and benefits

- Engineered to absorb a minimum of 85% of the sound energy it meets
- Can be overlaid with Vertiface for a decorative feature
- Broadband absorber

#### Applications

- Refined acoustic surface for framed modular office partition panelling
- Can be direct fixed to ceilings and walls as a functional and decorative acoustic panel
- Sophisticated, high-performance acoustic panel for sound control in interior spaces



# The Autex Acoustics® sustainability pillars

Our sustainability strategy provides the foundation and direction for our sustainability mission and goals. Our sustainability strategy is split into five pillars.



**Climate change** - We aim to maintain our position as a net-zero carbon organisation and offer carbon neutral products. Autex Acoustics began carbon accounting in 2017 and we continue to measure and monitor our GHG emissions which help inform carbon reduction initiatives. Remaining carbon emissions are mitigated using certified carbon credits.



**Purpose and profit** - Our goal is to positively impact our environment, our people, and the next generation. Autex Acoustics has committed a fund to support restorative social and environmental programmes.



**Closing the loop** - We aim to increase the uptake of product stewardship in the construction industry and expand our product takeback schemes to help build a more circular economy. We avoid waste through reducing material inputs to our products and designing for reuse/disassembly. We reuse waste from our manufacturing operations to make more product. We incorporate recycled PET waste into new product and use recyclable cardboard as packaging.



**Wellbeing** - We aim to ensure all current and future Autex Acoustics products avoid harmful chemicals. Our products are simple and designed without any toxic ingredients to support human and environmental health. Autex Acoustics products have a profound impact on the acoustic environment of building interiors and wellbeing of occupants.



**Supply chain** - We aim to eliminate any unethical practices in our supply chain to encourage good working conditions throughout our supplier network. Autex Acoustics carefully selects the best suppliers to ensure we deliver quality products that have a responsible social and environmental track record. As an organisation that relies on a global supply chain, we recognise the pressing—and ongoing—need to eliminate unethical practices within our own supply chain, particularly with regards to modern slavery.

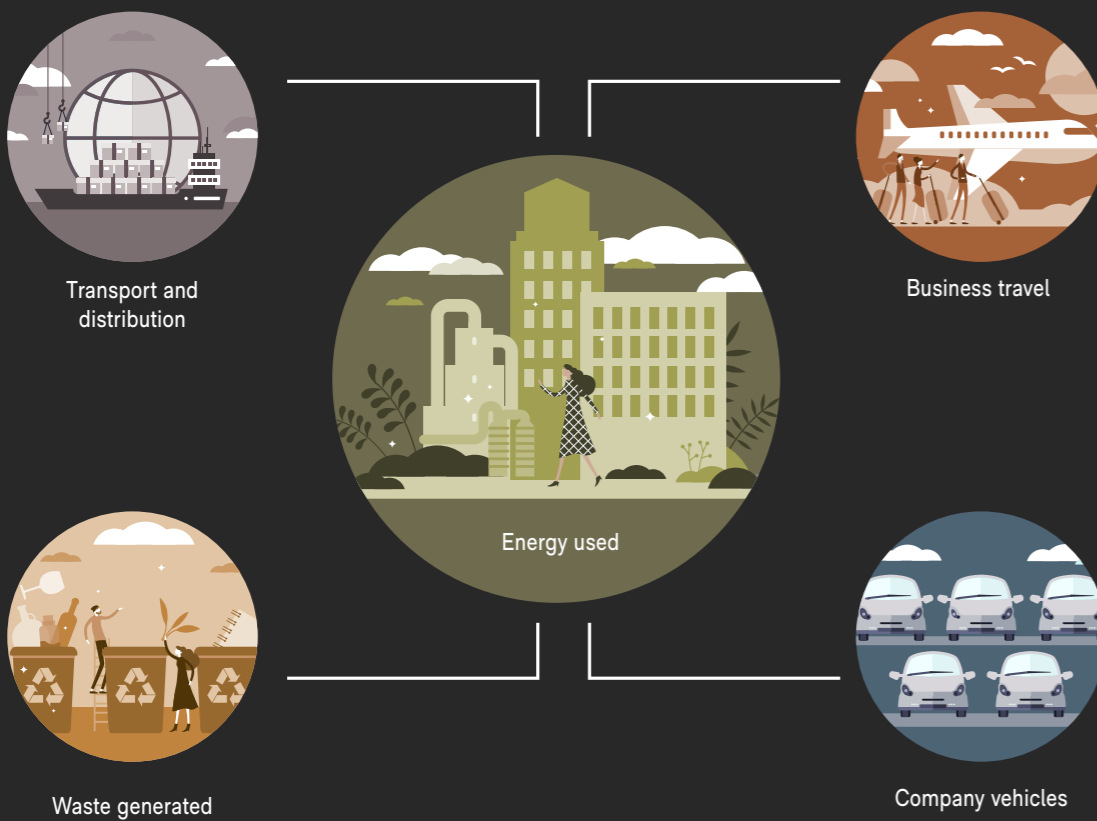
# How we're fighting climate change

The climate crisis is the biggest issue of our generation. As a product designer and manufacturer, we have an opportunity to help improve the carbon impact of our industry.

## Our operational carbon emissions

We are a carbon neutral business. We actively monitor the carbon emissions of our entire operation to better understand our carbon footprint and how we can further reduce emissions. We have an internal strategy to reduce our carbon emissions and have successfully delivered a number of carbon reduction initiatives within our operations. Any carbon emissions that are currently unavoidable are offset through certified carbon credits. We have a commitment to purchase only verified carbon credits that are retired on robust registers to ensure we are driving positive change.

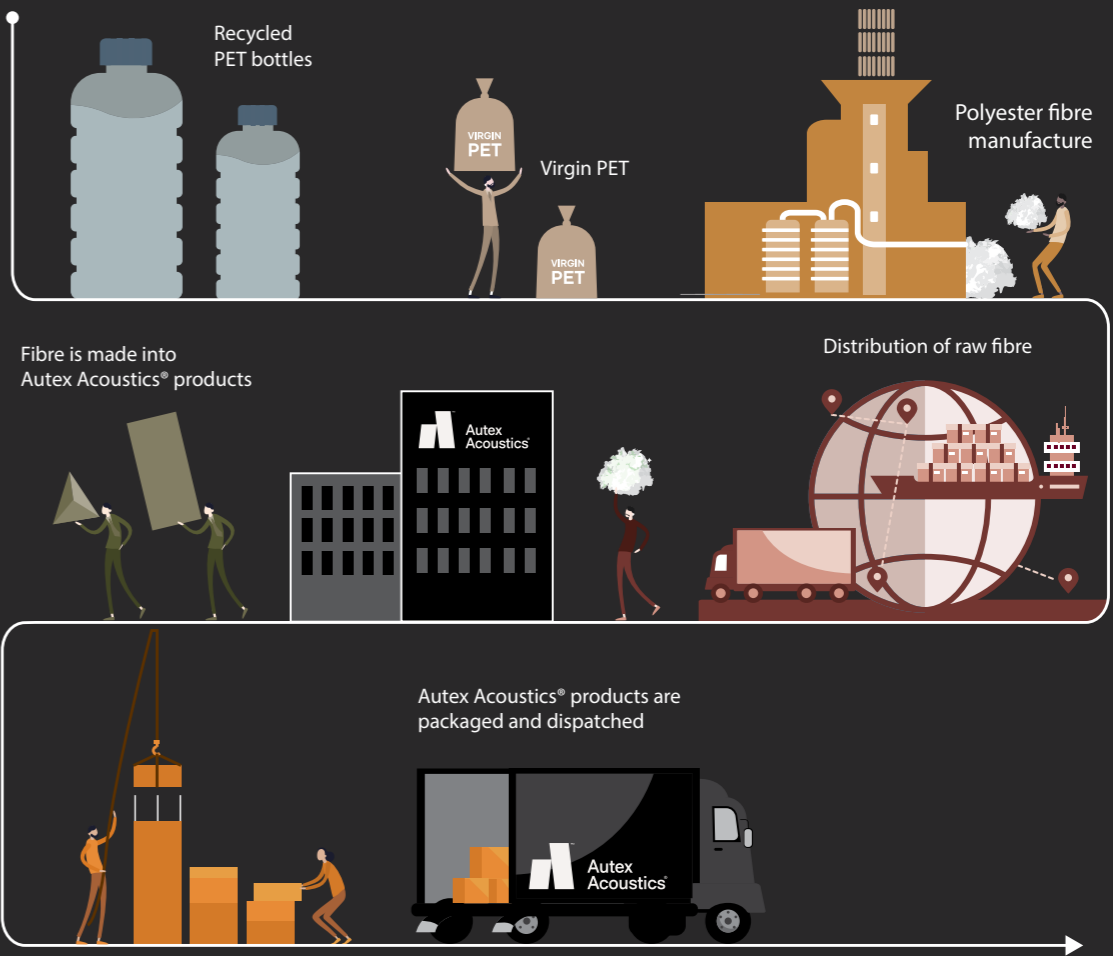
### Key business activities contributing to our operational emissions



## Embodied carbon of our products

Our products are carbon neutral, and we are the first business in our industry to include the cost of carbon in our products. We consider this an investment in present and future generations, and simply a cost of doing business. We calculate the embodied carbon of our products, from the raw material to the manufacturing gate, using industry recognised ISO standards. We have reduced the carbon footprint of our products through smart design and efficient manufacturing. While the embodied carbon of our products is low, they still do have a carbon impact. We mitigate this through our Carbon Neutral Product Initiative by offsetting the equivalent emissions using certified carbon credits. These carbon credits are generated from projects focused on renewable energy, fuel switching and reforestation around the world.

### Key activities contributing to the embodied carbon of our products



● Blum,  
New Zealand

● Quiespace Panel  
in Nude Black



## Customisation

As creators and innovators, we understand your pursuit of the bold and unusual, the rare and exceptional—the brave, colour-outside-the-lines ideas. Every space you design is unique, therefore, every element—from floor to ceiling—should be tailored to fit. Our customisation tools offer unique avenues for creative expression to help you achieve your vision—all that's left to explore are the boundaries of your imagination.

Our customisation capabilities include Print, Etch™, Groove, Precision Cut, Mould and Press, and Peel 'n' Stick.



● Quietspace Panel faced with Vertiface  
in Phantom, Charcoal, Myst, Silver, and Empire

● Adobe,  
New Zealand



# Environmental certifications

## Certifying your green building

Autex Acoustics products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit [www.autexglobal.com](http://www.autexglobal.com), or speak with your Autex Acoustics account manager.



### Environmental Product Declaration

An Environmental Product Declaration (EPD) is a document that communicates information about the life-cycle environmental impact of a product, including embodied carbon. Our EPDs are created and verified in accordance with ISO 14025 and ISO 15804, used for construction products and services.



### GreenRate – Level A

GreenRate is a multi-attribute environmental certification that scores products on a range of environmental, health, and social measures. Autex Acoustics products are certified to achieve GreenRate Level A. Level A is the highest GreenRate level and demonstrates the highest level of product sustainability.



### Declare – International Living Future Institute

The ingredients in our products have been reviewed against the Living Future Challenge Red List and achieve a Third-Party Verified 'Red List Free' status.



Products achieve the highest 'LBC Red List Free' status when:

- Ingredients are 100% disclosed and are not found in the Red List
- Products are shown to meet VOC emissions limits

We assure the accuracy of our certifications by having our Declare labels independently verified by a third party expert.



### Health Product Declaration

A Health Product Declaration (HPD) is a document that reports the ingredients of a product and the health effects associated with these ingredients. A Health Product Declaration has been generated for each of our products.



### CDPH Standard

CDPH Standard Method (CA Section 01350) is a widely used standard to evaluate building products for low volatile organic chemicals (VOC) and formaldehyde emissions. All Autex Acoustics products meet the limits set by CDPH and the LEED building rating scheme.



### ISO Certifications

#### ISO 14001 – Environmental Management

Autex Acoustics manufactures under environmental management processes that are ISO certified. This certification gives assurance that we manage any environmental impacts within our operations.



#### ISO 9001 – Quality Management

Autex Acoustics has a strict quality management system that is ISO certified. Robust quality processes from raw material through to product release help ensure our products meet expectations.



#### ISO 45001 – Health and Safety Management

Autex Acoustics manufacturing operations have an ISO 45001 certified Health and Safety Management System to ensure the safety and wellbeing of our people.



**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 fibre, Quietspace Panel has a hard, compressed face and cushioned backing, available in 25 mm, 50 mm, 75 mm, and 100 mm thicknesses.

**Sustainable material**

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content - >60% recycled material
- Low VOC and CDPH compliant - <0.035 mg/m<sup>3</sup> (7 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

**Environmental certifications**

- EPD – compliant with ISO 14025 and ISO 15804
- Declare – Red List free (third party verified)
- ISO 14001 Certified Environmental Management
- Health Product Declaration
- CDPH Standard



**Certifying your green building**

Autex Acoustics products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit [www.autexglobal.com](http://www.autexglobal.com), or speak with your Autex Acoustics account manager.

**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](http://www.autexglobal.com)

Panel 1200 mm x 2400 mm x ( )mm nom depth, sound absorption: 25 mm: Class C, NRC 0.85, 50 mm: Class A, NRC 1.00. Fire rating fullk range of thicknesses: ISO9705:

Classification: Group 1-S, AS ISO 9705 – 2003: Group 1, 25 mm BS EN 13501-1:2018: B - s2, d2

Install as per Autex Acoustics recommendations. If Quietspace Panel is to be specified for use other than as a ceiling or wallcovering please seek guidance from your specification manager.



## Product specifications

Product name	Quietspace® Panel
Composition	100% polyester fibre (PET)
Panel dimensions	1200 mm x 2400 mm
Tolerance	(+ 5 mm) x (+ 10 mm)

Thickness	25 mm	50 mm	75 mm	100 mm
Tolerance	(+/- 6%)	(+/- 6%)	(+/- 6%)	(+/- 6%)
Weight	2300 gsm	3800 gsm	4050 gsm	4300 gsm

### 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).

### Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack, or available on the website. If Quietspace Panel is to be specified for use other than as a wallcovering, please seek guidance from your specification manager. 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.

## Product specifications

### Fire ratings

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

#### ISO 9705: 1993

Classification: Group 1-S

Smoke production rate:

<5.0m<sup>2</sup>/s

As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Classification: Group 1

(SMOGR<sub>Arc</sub>): <100m<sup>2</sup>/s<sup>2</sup>

Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:2015, as required by BCA Specification C1:10-4 FI 4871

FAR 4055

#### BS EN 13501-1:2018

(25 mm Quietspace® Panel)

Wall applications

Classification: B-s<sub>2</sub>d<sub>2</sub>

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-s<sub>2</sub>d<sub>2</sub>

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.

### 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.



## Acoustic performance

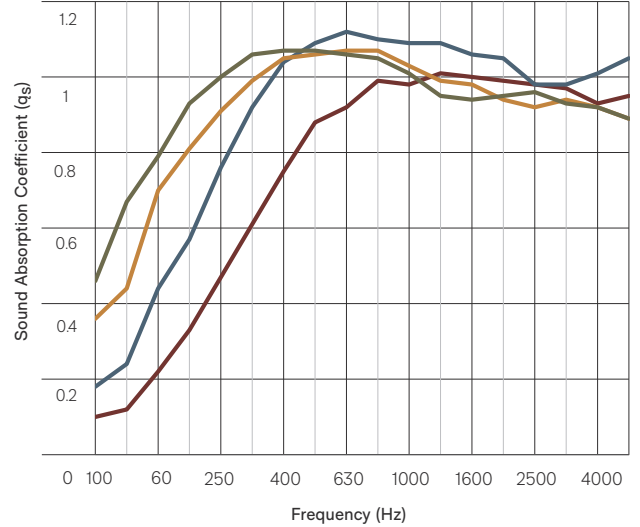
Quietspace Panel is specifically designed to reduce and control reverberated noise and echo in building interiors. Minimum Noise Reduction Coefficient 0.85

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 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

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 centred 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 25 mm - test no. T0712-18  
Quietspace Panel 50 mm - test no. T1228-8  
Quietspace Panel 75 mm - test no. T1905-4  
Quietspace Panel 100 mm - test no. T1905-5



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Reach out to our team for support, samples and advice.

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