

Kaipara Westmount School
Rosie Taylor – Unispace

QuietSpace®
FRONTIER™

Pat. Pending NZ 727634
AU 2016273959

Remarkable and revolutionary; QuietSpace® Frontier™ is a complete modular acoustic ceiling system for targeted sound absorption. An ideal application for open-plan settings, QuietSpace Frontier creates a unique feature that enhances spaces visually and acoustically.

Adjustable prior to and post installation; QuietSpace Frontier can be suspended or direct fixed with its patented aluminium channels and connector clips, allowing for complete creative and acoustic flexibility.

Made from Autex Cube™ in 15 vibrant colours, QuietSpace Frontier is available in four modular designs that can be mixed and matched to create unique forms and patterns. Also available in the QuietSpace Frontier range is Axis; a bold lattice design inspired by Sarah Langford's Unispace office in Auckland, New Zealand. For a personal approach, the Autex design team can create bespoke fins to add life in any environment.

Cube is made from 100% recyclable polyester and is completely safe, non-toxic, non-allergenic and non-irritant.

Key Features and Benefits

- Excellent acoustic performance with the ability to target specific areas
- Complete and modular acoustic system
- Adjustable capabilities for pre-install and post-install design freedom
- Easily installed and specified
- Light-weight and easy to handle
- Cube is manufactured from 100% polyester fibre (with a minimum of 60% post-consumer recycled material) without chemical binders and certified low VOC
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Made in New Zealand and Australia
- Manufactured under ISO 9001 and ISO 14001 accredited Quality and Environmental Systems
- Does not contain any Red List chemicals *

* Red List chemicals are defined by the United States Environmental Protection Agency (U.S. EPA) and The International Living Future Institute as materials that are harmful to living creatures, including humans. A full list can be found at www.declareproducts.com. Green Building Rating Compatibility certificate can be found on www.envirospec.co.nz

Specification:

Acoustic absorption system shall be **QuietSpace® Frontier** (□) as compiled by Autex www.autexindustries.com


Acoustic absorber Frontier fins (2400/custom)mm length x (300mm nominal / Axis 150mm) depth x (12/24)mm gauge, spaced at (□)mm centres. Colour (□), sound absorption: 100/200mm centres Class B, 300mm centres Class C, Fire Rating ISO 9705: 1993: Group 1-S, AS ISO 9705 – 2003: Group 1, EN13501-1:2007+A1:2009: B - s2, d2, ASTM E-84-15a -12mm: Class A, FS:O - SD:45.

Supplied with QuietSpace Frontier Connector Clips, Frontier Channel, Frontier Fins. Fix with 6g countersink fastener appropriate for the substrate. Install as per QuietSpace Frontier Install Instructions.

Applications

- Acoustic absorption system for office, education, retail, hospitality and commercial interiors
- Premium targeted sound control in open plan workplaces and Innovative Learning Environments
- Minimise noise in the interior environment and create unique finishes and features

Colour Options

		
PAVILION	SAVOIE	OPERA
		
ACROS	FALLING WATER	PINNACLE
		
SENADO	BOSCO	ZENITH
		
IRONBANK	FLATIRON	EMPIRE
		
PETRONAS	LOTUS	GALAXY

Product Name Quietspace® Frontier™
Composition Fin: 100% Polyester Fibre (PET)
 Channel: Aluminium
Weight 12mm: 2400gsm
 24mm: 4800gsm
Size Fin width: 2400mm
 12mm: pack covers 5.0m²
 24mm: pack covers 2.5m²
 (at 300mm centres)

Thickness	Fins	Channels	Connectors	Pack Weight
12mm	8	8	16	20kg
12mm (Axis only)	16	8	16	
24mm	4	4	8	

Pack Size

Fin Depth Nominal Average 150 – 300mm.
Installation Refer to Frontier Install Instructions for installation guidelines.

Fastness to Light Quietspace Frontier is suitable for indoor use only.

Light Reflective Values by Colour

Pavillion	77.74	Falling Water	36.03	Zenith	22.39
Savoye	46.63	Pinnacle	8.48	Iron Bank	12.66
Opera	49.20	Senado	44.76	Flatiron	24.58
Acros	41.95	Bosco	29.38	Empire	5.65
				Petronas	1.98

Design Options (two packs shown)



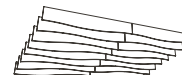
TUNDRA



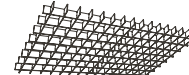
DUNE



SIERRA



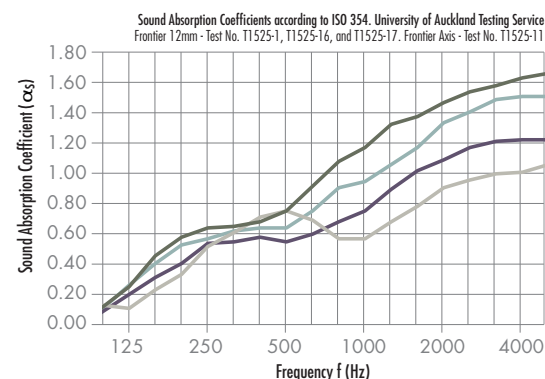
TALUS



AXIS (12mm only)

Acoustic Performance

Quietspace Frontier is specifically designed to reduce and control reverberated (echo) noise in building interiors.



	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Tundra, Dune, Sierra and Talus	αP 100mm spacing	0.30	0.65	0.80	1.00	1.00	1.00	1.00
Axis	αP 200mm spacing	0.30	0.60	0.70	1.00	1.00	1.00	0.90
	αP 300mm spacing	0.25	0.50	0.60	0.80	1.00	1.00	0.75
	αP 300mm spacing	0.20	0.50	0.75	0.65	0.90	1.00	0.70

Fire Ratings (Conducted on 12mm Cube™)

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
 As required by BCA C1.10

FL 4974 dated 16th September, 2012

EN13501-1:2007+A1:2009

B - s₂, d₂

WF 336911 dated 25th February, 2014

ASTM E-84-15a

Class A, FS:0 - SD:45

RJ4479-2 dated 25th January, 2015

VOC Emissions

Autex polyester has been tested for chemical emission (Report: CV080408) and is classified as low VOC. VOC concentration: 0.01 mg/m³.

Moisture Absorption

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

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.

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 Cube requires the services of a specialist cleaning company. Refer to the Quietspace Frontier Cleaning & Maintenance Guide for more information.

Environmental

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

Autex Cube contains a minimum of 60% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible. Uncontaminated Cube can be recycled.

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

Service

For further information about Quietspace Frontier, Autex Cube or any other Autex product, please contact your Autex Account Manager or visit our website.

Quietspace is a trademark of Autex Industries. Autex Cube is proudly manufactured in New Zealand by Autex Industries Ltd and Australia by Autex Pty.