



INTERIOR ACOUSTICS FRONTIER™ MANUFACTURERS GUARANTEE

Frontier™ is manufactured by Autex Industries Ltd and Autex Pty Ltd under an ISO 9001 accredited 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.

Product Name Frontier™
Description 100% polyester complete modular acoustic fins
Weight 12mm: 2300gsm
 24mm: 4600gsm
Size Fin width: 2400mm
 12mm: pack covers 5.0m²
 24mm: pack covers 2.5m²

Pack Size

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

Composition

100% Polyester Fibre from polyethylene terephthalate (PET). Made from Autex Cube™ which contains a minimum of 45% previously recycled polyester fibre.

SUITABLE APPLICATIONS

Suspended or direct fix with patented aluminium channels and connector clips.

FASTNESS TO LIGHT

Frontier is suitable for indoor use only.

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

FI 4974 dated 16th September, 2012

EN13501-1:2007+A1:2009

B - s₂, d₂

WF 336911 dated 25th February, 2014

ASTM E-84-14

Class A, FS:0 - SD:45

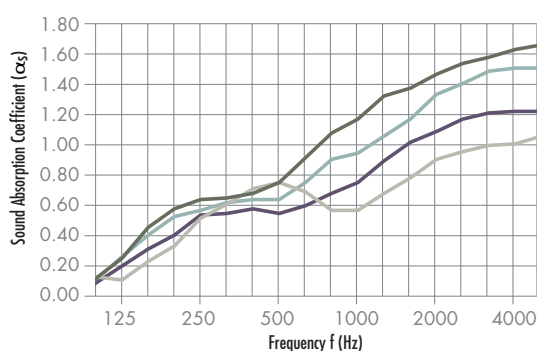
RJ4479-2 dated 25th January, 2015

Pat. Pending NZ 727634, AU 2016273959

ACOUSTIC PERFORMANCE

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

Sound Absorption Coefficients according to ISO 354. University of Auckland Testing Service Frontier 12mm - Test No. T1525-1, T1525-16, and T1525-17. Frontier Axis - Test No. T1525-11



	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Tuning, Data, Series and Units	αP 100mm spacing	0.30	0.65	0.80	1.00	1.00	1.00	1.00
	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
Axis	Frontier Axis	0.20	0.50	0.75	0.65	0.90	1.00	0.70

TOXICITY

Polyester is classed as no more toxic than wood under the state of New York Article 15 part 1120. Polyester is pH7.8 (where pH7.0 is neutral), resistant to biological, bacterial or vermin attack.

FINISH

Non-woven. No pattern repeat but Frontier™ has a 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.

PHYSICAL DESCRIPTION / PROPERTIES

Boiling Point:	N/A
Melting Point:	230°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

CARE AND MAINTENANCE

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

