



PRODUCT DESCRIPTION

Frontier™ are spaced acoustic fins that can be used on ceilings and walls to provide absorption.

PHYSICAL PROPERTIES

Name	Thickness (mm)	Width x Length (m)	Weight per panel (g/m ²)	Material
Frontier™	12mm & 24mm	2400mm length x 300mm nominal/ Axis 150mm	100% polyester fibre (PET) & aluminium channel	Frontier Connector Clips, Frontier Channel, Frontier Fins

MEASURED VALUES

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Frontier™ 24mm (300mm deep 200mm centres)	0.25	0.55	0.70	1.10	1.30	1.30	0.90
Frontier™ 24mm (300mm deep 300mm centres)	0.20	0.45	0.60	1.00	1.25	1.20	0.85
Frontier™ 12mm (150mm deep 100mm centres)	0.20	0.50	0.75	0.65	0.90	1.05	0.70
Frontier™ 12mm (300mm deep 100mm centres)	0.30	0.65	0.80	1.20	1.45	1.60	1.00
Frontier™ 12mm (300mm deep 200mm centres)	0.30	0.60	0.70	1.00	1.30	1.50	0.90
Frontier™ 12mm (300mm deep 300mm centres)	0.25	0.50	0.60	0.80	1.10	1.25	0.75

IN ACCORDANCE WITH THE FOLLOWING STANDARDS

- ISO 9705:1993 (fire rating)
- AS ISO 9705:2003 (fire rating)
- BCA C1.10 (fire rating)
- EN13501-1:2018 (fire rating)
- ASTM E-84-15a (fire rating)
- ASTM G21-15 (microbial resistance)
- ISO 105-B02:2014 (colour fastness to light)
- ISO 105-X12:2016 (colour fastness to rubbing)

GENERAL PHYSICAL PROPERTIES

Frontier™	
Tolerance	+/- 0.5mm +/- 6%
Fire class/fire hazard properties	Group 1-S Smoke Production Rate <5.0m ² /s ² Group 1 SMOGRARC: <100m ² /s ² B-s2, d0 Class A, FS:0-SD:45 (Cube™ ½") Class A, FS:0 – SD:65 (Cube™ 1")
Microbial Resistance	Growth rating: 0 (no growth)
Colour Fastness to Light	Rating: 6 (Highest = 7)
Colour Fastness to Rubbing	Dry rating: 4-5 Wet rating: 4-5 (Highest rating = 5 for both)
Moisture Absorption	<0.03% (50°C at 90% humidity, for 4 days)
Sound Absorption Class	100/200mm centres – Class B 300mm centres – Class C

