



Product overview

Frontier™ is a modular acoustic baffle system designed to communicate with interior spaces via an adjustable channel and clip system—giving you complete control over the height, spacing, and placement of each individual component. Lightweight yet solid in appearance, Frontier Acoustic Fins and Raft are made from 100% polyester fibre and cut to form elegant 2D and 3D shapes. Frontier is designed to be ‘tuned’ to interior spaces, offering tailored acoustic absorption across a wide range of frequencies.

Panel fixing system patent

US Patent 10,113,312
AU Patent 2016250499
GB Patent 2,545,789
NZ Patent app 725770

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
 - >80% recycled material
- Low VOC and CDPH compliant
 - <0.092 mg/m³ (7 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

Environmental certifications

- EPD – compliant with ISO 14025 and EN 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 autexglobal.com, or speak with your Autex Acoustics account manager.

Specification

Acoustic panels shall be Frontier Acoustic Raft (└) as compiled by Autex autexglobal.com

Acoustic absorber Frontier Acoustic Raft
(Blade: 2400 x 247 x 70 mm),
(Beam 100: 2400 x 87 x 70 mm),
(Beam 250: 2400 x 227 x 70 mm),
(Trapezoid: 2400x 137 x 200 mm),
Colour (└),

Fire rating ASTM E-84-15a: Class A, FS:0 - SD:45, ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003 Classification: Group 1, BS EN 13501-1:2018: B - s2, d0.

Seismic bracing as per local building code requirements.

A variety of fixing or suspension options are available. Install as per Frontier Install Instructions.



Product specifications

Product name	Frontier™ Acoustic Raft
Composition	100% polyester fibre (PET); aluminium channel
Fin length	2400 mm
Tolerance	(+/- 0.5 mm)
Thickness	12 mm
Tolerance	(+/- 6%)

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website.

Product specifications

Fire ratings

Frontier is a made from Cube as the base material.
Cube 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 5637:2015, as required by
NCC Specification 7: Fire Hazard properties: S7C4
FI 4974
FAR 4055

BS EN 13501-1:2018

Wall applications
Classification: B-s1, d0
(Cube™ 12mm)

Tested according to BS EN ISO 11925-2:2020 and
BS EN 13823:2020 + A1:2022 and classified in
accordance with BS EN 13501-1:2018, as required
by BS EN 15102:2019. 7191361939-MEC25/03-JV

Ceiling applications

Classification: B-s1, d0
(Cube™ 12mm)

Tested according to BS EN ISO 11925-2:2020 and
BS EN 13823:2020 + A1:2022 and classified in
accordance with BS EN 13501-1:2018, as required
by BS EN 15102:2019. 7191361939-MEC25/03-JV

ASTM E-84-15a

Class A, FS:0 - SD:45
RJ4479-2

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.

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
Frontier Acoustic Raft 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 Frontier requires
the services of a specialist
cleaning company. Refer to the
Frontier Acoustic Raft Care and
Maintenance Guide for
more information.

Service

For further information about
Frontier Acoustic Raft, Cube,
or any other Autex Acoustics
product, please contact your
account manager or visit
our website.

Acoustic performance

Frontier Acoustic Raft is specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Frontier Raft 12 mm Trapezoid (200 mm off ceiling @ 300 mm centres)	0.25	0.65	0.85	1.00	1.00	1.00	0.95
Frontier Raft 12 mm Blade (200 mm off ceiling @ 300 mm centres)	0.20	0.35	0.60	1.00	1.00	1.00	0.80
Frontier Raft 12 mm Beam 100 (200 mm off ceiling @ 150 mm centres)	0.05	0.25	0.55	0.95	1.00	1.00	0.75
Frontier Raft 12 mm Beam 250 (200 mm off ceiling @ 300 mm centres)	0.20	0.45	0.70	1.00	1.00	1.00	0.90

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.

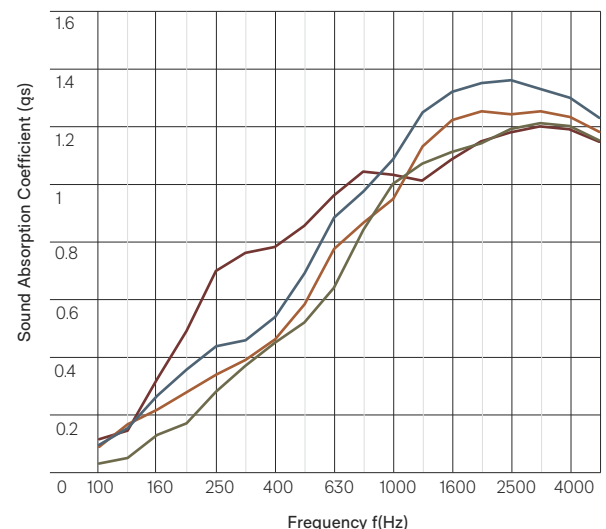
Sound absorption coefficients according to ISO 354. University of Auckland Testing Service

Frontier Raft 12 mm Trapezoid
(200 mm off ceiling @ 300 mm centres) - Test No: T1905-11

Frontier Raft 12 mm Blade
(200 mm off ceiling @ 300 mm centres) - Test No: T1905-10

Frontier Raft 12 mm Beam 100
(200 mm off ceiling @ 150 mm centres) - Test No: T1945-4

Frontier Raft 12 mm Beam 250
(200 mm off ceiling @ 300 mm centres) - Test No: T1945-5





**Light reflectance
values by colour**

Frontier Acoustic Raft is
suitable for indoor use
only. LRVs were measured
in accordance with BS
8493:2008+A1:2010

Acros	40	Opera	49
Beehive	33	Parthenon	33
Canyon	19	Pavilion	80
Caspian	6	Petronas	2
Cavalier	12	Pinnacle	3
Empire	5	Sargazo	4
Falling Water	34	Savoye	46
Flatiron	24	Senado	44
Gherkin	8	Terrace	24
Highland	19	Tree House	3
Muralla	9		

● **New Zealand**
702-718 Rosebank Road,
Private Bag 19988,
Avondale 1746, Auckland
T 0800 428 839
T +64 9 828 9179
autexacoustics.co.nz

● **Australia**
121-131 Global Avenue,
Essendon Fields,
VIC 3041
T 1800 678 160
T +61 3 9450 6700
autexacoustics.com.au

● **United Kingdom**
Unit J4, Lowfields Way,
Lowfields Business Park,
Elland, West Yorkshire,
HX5 9DA
T +44 0 142 241 8899
autexacoustics.co.uk

● **United States**
742 S Hill Street,
Suite 501, Los Angeles,
CA 90014
T +1 424 203 1813
autexacoustics.com

Autex is an ISO certified organisation encompassing Quality (ISO 9001), Environmental (ISO 14001), and Health and Safety (ISO 45001). Brand names and logos are registered or unregistered trademarks owned or used under license by Autex Industries Limited or other members of the Autex Group. © Copyright 2025 Autex Industries Ltd. All rights reserved. It is the user's responsibility to determine if the product and information presented in this document is suitable for the intended application by engaging a suitably qualified consultant. The information contained in this document is correct to the best of our knowledge at the date of its publication. To verify that this document is the most current publication please check our website or contact your Autex Acoustics' account manager.