

Product overview

Acoustic Timber™ Raft™ 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, Acoustic Timber Raft is made from 100% polyester fiber. Acoustic Timber Raft is designed to be ‘tuned’ to spaces, offering tailored acoustic absorption across a wide range of frequencies.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
- >60% 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 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, or speak with your Autex Acoustics account manager.

Suitable applications

Suitable for use as acoustic and decorative treatments where contact with the product will be minimal. If you have any concerns about the install location, please contact your account manager.



Specification

Acoustic treatment shall be Acoustic Timber Raft (┘) as compiled by Autex Acoustics

Acoustic absorber Acoustic Timber Raft (Beam 8' x 3.5" x 3") NRC 0.75 (Beam 250: 8' x 9" x 3") NRC 0.90 Color (┘).

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 | Acoustic Timber Raft |
| Composition | 100% polyester fiber (PET); aluminum channel |
| Fin length | 8' |
| Tolerance | (+/-0.02") |
| Thickness | 1/2" |
| 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

Acoustic Timber Raft is made from Cube™ which has been tested and 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
(SMOGR_{Arc}): <100m2/s2
Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:1.2015, as required by BCA Specification C110-4
FI 4974
FAR 4055

BS EN 13501-1:2018

Wall applications
Classification: B-s2,d0
(Cube™ 1/2")
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-20-000268-A

Ceiling applications

Classification: B-s2,d0
(Cube™ 1/2")
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-20-000268-B

ASTM E-84-15a

Class A, FS:0 - SD:45
RJ4479

Water vapor sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapor absorbed and adsorped after 4 days: 0.4% by weight.

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
Acoustic Timber Raft does not promote the growth of molds and mildew.

Impact resistance

Print may show surface damage when subjected to impacts. We would advise against using Acoustic Timber in areas where there is likely to be contact with the product.

Color fastness to light

Acoustic Timber Raft is suitable for indoor use only. Light fastness is dependent on use and exposure. Acoustic Timber Raft has been evaluated to the following standard: ISO 105-B02:2014
Rating: 6 (Highest = 7)

Fabric care

Avoid contact with the Acoustic Timber Raft surface. Where liquids and other contaminants come in contact with the panels, these should be gently removed immediately and not allowed to soak-in, dry, or set. Refer to the product Care and Maintenance for cleaning guidance. Consult a specialist cleaning company for cleaning if required.

Service

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

Light reflectance values by color

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

| | | | |
|--------------|----|---------------------|----|
| Birch | 58 | Tasmanian Oak | 28 |
| American Ash | 53 | Blue Gum | 18 |
| Eucalyptus | 46 | Tasmanian Blackwood | 17 |
| Hoop Pine | 45 | Queensland Walnut | 15 |
| Oak | 37 | Jarra | 9 |



Acoustic performance

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

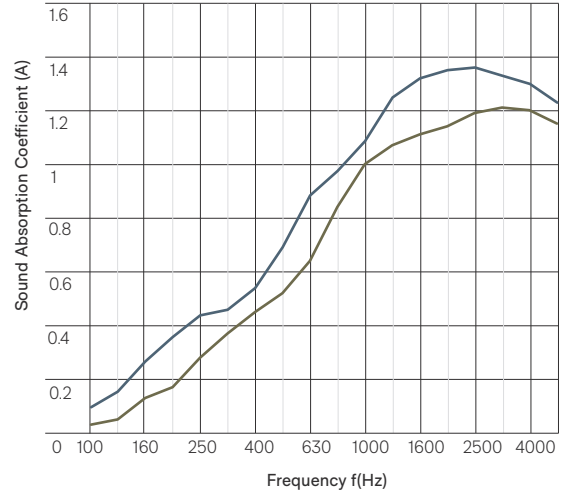
| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
|--|------|------|------|------|------|------|------|
| ● Frontier Raft 1/2" Beam 100 (8" off ceiling @ 6" centers) | 0.05 | 0.25 | 0.55 | 0.95 | 1.15 | 1.20 | 0.75 |
| ● Frontier Raft 1/2" Beam 250 (8" off ceiling @ 12" centers) | 0.20 | 0.45 | 0.70 | 1.10 | 1.35 | 1.30 | 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 1/2" Beam 100
(8" off ceiling @ 6" centers) - Test No: T1945-4

Frontier Raft 12 mm Beam 250
(8" off ceiling @ 12" centers) - Test No: T1945-5



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