



**Autex  
Acoustics®**

# Acoustic Timber™ Raft™

# Manufacturer's Guarantee

Acoustic Timber™ Raft™ is manufactured by Autex Industries Ltd and Autex Australia Pty Ltd under ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. 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.

## Specification

<b>Product name</b>	Acoustic Timber™ Raft™
<b>Description</b>	100% polyester complete modular acoustic raft
	Imperial
Fin length	94.5"
Tolerance	(+/- 0.02")
Thickness	1"
Tolerance	(+/- 6%)

## Physical description/ properties

Boiling point:	N/A
Melting point:	482°F
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

## 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
<b>Frontier Raft Beam 100</b> (8" off ceiling @ 6" centers)	0.05	0.25	0.55	0.95	1.15	1.20	0.75
<b>Frontier Raft Beam 250</b> (8" off ceiling @ 12" centers)	0.20	0.45	0.70	1.10	1.35	1.30	0.90



## Product specifications

### Suitable applications

Suitable for use as acoustic and decorative treatments in non-contact areas. For applications where contact is likely to occur, Autex Acoustics recommends our standard Frontier™ Raft range. If you have any concerns about the install location, please contact your account manager.

### 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: <5.0m<sup>2</sup>/s  
As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Classification: Group 1  
(SMOGR<sub>Arc</sub>): <100m<sup>2</sup>/s<sup>2</sup>  
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-s<sub>2</sub>,d<sub>0</sub>  
(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-s<sub>2</sub>,d<sub>0</sub>  
(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  
R14479

### VOC emissions

Autex Acoustics polyester has been tested for chemical emissions (Report: CV170908) and is classified as low VOC.  
VOC concentration:  
0.009 mg/m<sup>3</sup> (7 days)

### 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 Print 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.

### Environmental

Autex Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

Acoustic Timber Raft contains a minimum of 60% previously recycled polyester fiber (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Acoustic Timber Raft is manufactured from 100% polyester fiber and does not contain formaldehyde binders. Autex Acoustics polyester fiber supports safer indoor air quality and will not become a potential airborne pollutant.

### Service

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

### Blemishes

Due to the nature of the raw material and the manufacturing process, flecks and other small surface blemishes may be visible on the surface of Autex Acoustics panels from time to time. This is an inherent characteristic of the textile products and is unavoidable.

## Service

For further information about Acoustic Timber or any other Autex Acoustics product, please contact your account manager or visit our website. The information contained in this document is correct to the best of our knowledge at the date of its publication. It is the user's responsibility to determine if this information is suitable for their intended application and to make sure that this document is the most current publication. You can do this by checking our website or contacting your account manager.

## Care and maintenance

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

#### ● New Zealand

702-718 Rosebank Road,  
Private Bag 1998  
Avondale 1746, Auckland  
New Zealand  
Freephone 0800 428 839  
Phone +64 9 828 9179  
Fax +64 9 828 5810

#### ● Australia

285 Swan Street,  
Richmond, VIC 3121,  
Australia  
Freephone 1800 678 160  
Phone +61 3 9450 6700

#### ● United Kingdom

Unit J4, Lowfields Way,  
Lowfields Business Park,  
Elland, West Yorkshire  
HX5 9DA  
United Kingdom  
Phone +44 0 142 241 8899

#### ● United States

1630 Dan Kipper Drive,  
Riverside, CA 92507  
United States of America  
Phone +1 424 203 1813

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