



Acoustic Timber™ Raft

Technical Product Overview

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	Product Name	Acoustic Timber™ Raft																																
	Description	100% polyester complete modular acoustic raft																																
		Imperial																																
	Fin Length	94.5"																																
	Tolerance	(+/-0.02")																																
	Thickness	1/2" (material thickness)																																
	Tolerance	(+/- 6%)																																
Physical Description/ Properties	Boiling Point:	N/A																																
	Melting Point:	482°F																																
	Vapor 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 Vapor Density:	N/A																																
Acoustic Performance	Acoustic Timber Raft is specifically designed to reduce and control reverberated noise and echo in building interiors.		<table><thead><tr><th>Frequency (Hz)</th><th>125</th><th>250</th><th>500</th><th>1000</th><th>2000</th><th>4000</th><th>NRC</th></tr></thead><tbody><tr><td>Frontier Raft Beam 100 (8" off ceiling @ 6" centers)</td><td>0.05</td><td>0.25</td><td>0.55</td><td>0.95</td><td>1.00</td><td>1.00</td><td>0.75</td></tr><tr><td>Frontier Raft Beam 250 (8" off ceiling @ 12" centers)</td><td>0.20</td><td>0.45</td><td>0.70</td><td>1.00</td><td>1.00</td><td>1.00</td><td>0.90</td></tr></tbody></table>								Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Frontier Raft Beam 100 (8" off ceiling @ 6" centers)	0.05	0.25	0.55	0.95	1.00	1.00	0.75	Frontier Raft Beam 250 (8" off ceiling @ 12" centers)	0.20	0.45	0.70	1.00	1.00	1.00	0.90
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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™ Acoustic Raft range. If you have any concerns about the install location, please contact your Momentum account manager.

Fire Ratings

Acoustic Timber Raft is made from Cube™ which has been tested and evaluated using the following test methods:

ASTM E-84-15a

Class A, FS:0 - SD:45
(Cube™ 1/2")

RJ4479

VOC Emissions

Autex Acoustics polyester has been tested for chemical emmissions (Report: CV170908) and is classified as low VOC. VOC concentration: 0.009 mg/m³ (7 days)

Water Vapor Sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapor absorbed and adsorbed 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 80% previously recycled polyester fiber (from PET bottle-flake).

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 or any other Autex Acoustics product, please contact your Momentum account manager or visit momentumco.com. 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 Momentum account manager.

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.

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Care and Maintenance

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

Autex Acoustics®

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