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

Product name Acoustic Timber™ Raft™

Description 100% polyester complete modular acoustic raft

	Metric
Fin length	2400 mm
Tolerance	*(+/- 0.5 mm)*
Thickness	12 mm
Tolerance	*(+/- 6%)*

Physical description/ properties

Boiling point:	N/A
Melting point:	250°C
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
Frontier Raft Beam 100 (200 mm off ceiling @ 150 mm centres)	0.05	0.25	0.55	0.95	1.15	1.20	0.75
Frontier Raft Beam 250 (200 mm off ceiling @ 300 mm centres)	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: <5.0m2/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 5637.1:2015, as required by BCA Specification C1.10-4
FI 4974
FAR 4055

BS EN 13501-1:2018
Wall applications
Classification: B-s2,d0
(Cube™ 12 mm)
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™ 12 mm)
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

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

Water vapour sorption
ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour 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 moulds 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.

Colour 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 fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Acoustic Timber Raft is manufactured from 100% polyester fibre and does not contain formaldehyde binders. Autex Acoustics polyester fibre 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.

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