

Product overview

Lanes™ is a battened style acoustic system made from 12 mm Cube™. The air gap behind each lane provides enhanced low frequency sound absorption. Available in three styles: Peak, Plane, and Sawtooth.

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 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 www.autexacoustics.com.au, or speak with your Autex Acoustics specification manager.

Specification

(Wall) treatment shall be Lanes™ from thermally bonded high density polyester containing not less than 60% recycled material as manufactured by Autex Acoustics www.autexacoustics.com.au

300 mm wide by () mm high. NRC 0.80 - 0.85. Fire rating ISO 9705: Classification: Group 1-S, AS ISO 9705 - 2003 Classification: Group 1, ASTM E-84-15a

If Lanes is to be specified for use other than as a wallcovering, please seek guidance from your specification manager.

Lanes can be supplied in continuous lengths up to 3600 mm. Profile styles can be customised on request.

Product specifications

Product name	Lanes™
Composition	100% polyester fibre
Width	Lanes are a series of 300 mm wide folded sections
Thickness	12 mm thick Cube, depth varies by design

Thermal performance

(Internally tested by Autex Lab)

Cube 12 mm R0.3 (@23°C)

System and total R Value can be calculated by Autex Acoustics on request.

Installation

Install as per Autex Acoustics recommendations.

Install instructions are included in each pack or available on the website. If Lanes is to be specified for use other than as a wallcovering, please seek guidance from your specification manager.



Product specifications

Fire ratings

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
(SMOGR_{Arc}): <100m²/s²
Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637:2015, as required by BCA Specification NCC 2019 1:10-4 NCC2022 S7C4

ASTM E-84-15a

Class A, FS:0 - SD:45
(Cube 1/2")
R14479-2

BS EN 13501-1:2018

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.

Fire compliance information is available on request. Please contact your Autex Acoustics specification manager.

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)
Lanes does not promote the growth of moulds and mildew.

Colour fastness to light

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

Colour fastness to rubbing

ISO 105-X12:2016
Dry rating: 4-5 (Highest = 5)
Wet rating: 4-5 (Highest = 5)

Pattern repeat

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up, which is an inherent feature of this product.

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 Lanes requires the services of a specialist cleaning company. Refer to the Autex Acoustics Care and Maintenance Guide for more information.

Service

For further information about Lanes or any other Autex Acoustics product, please contact your specification manager or visit our website.

Acoustic performance

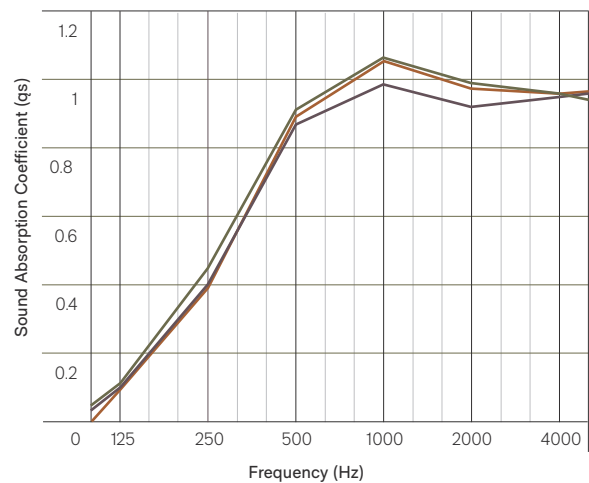
Lanes is specifically designed to reduce and control reverberated and echo noise in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● Lanes Plane	0.10	0.40	0.85	1.00	0.95	0.95	0.80
● Lanes Peak	0.15	0.45	0.85	0.95	0.90	0.95	0.80
● Lanes Sawtooth	0.15	0.45	0.90	1.00	0.95	0.95	0.85

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.

Absorption Coefficient According to ISO 354 University of Auckland Testing Service

Lanes Plane - Test No. T2228-11
Lanes Peak - Test No. T2228-10
Lanes Sawtooth - Test No. T2215-15





Light reflectance values by colour

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

Pavilion	80	Herald	13
Opera	49	Cavalier	12
Savoye	46	Muralla	9
Rosada	45	Gherkin	8
Senado	44	Empire	5
Acros	40	Sargazo	4
Falling Water	34	Pinnacle	3
Parthenon	33	Tree House	3
Beehive	33	Petronas	2
Flatiron	24		

● Australia

VIC, TAS, SA
285 Swan St
Richmond
VIC 3121
Phone 03 9450 6700
Freephone 1800 678 160

NSW, ACT
Suite 8.03,
89 York Street,
Sydney 2000
Phone 02 9729 6100

QLD, NT
68 Business St
Yatala
QLD 4207
Phone 07 3001 3000

WA
Unit 1, 398C Victoria Rd
Malaga
WA 6090
Phone 08 9355 1911

Customer Service 1800 678 160 www.autexacoustics.com.au

● New Zealand

Autex Industries Ltd
702-718 Rosebank Rd
Private Bag 19988
Avondale 1746, Auckland
Phone +64 800 428 839
Freephone +64 9 828 5810

● United Kingdom

Autex Acoustics Ltd
Unit J4, Lowfields Way
Lowfields Business Park
Elland, West Yorkshire
HX5 9DA
Phone +44 142 241 8899

● United States

Autex Acoustics LLC
1630 Dan Kipper Dr
Riverside CA 92507
Phone +1 424 203 1813

Autex Acoustics® products are carbon neutral and contribute to WELL, LEED, Green Star & BREEAM certification. Contact your Autex Acoustics® specification manager to hear how we can support your low carbon goals.

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