



**Autex  
Acoustics®**

**Lanes™**

**Data Sheet**

### Product overview

Add a feature to any space with Lanes™, a battened style acoustic system made from 1/2" 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



**Declare.**



### 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](http://www.autexacoustics.com), or speak with your Autex Acoustics account manager.

### Specification

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

11 13/16" wide by 110" 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 account manager.

### Product specifications

<b>Product name</b>	Lanes™
<b>Composition</b>	100% polyester fiber
<b>Width</b>	Lanes are a series of 11 13/16" wide folded sections
<b>Thickness</b>	1/2" thick Cube, depth varies by design
<b>Tolerance</b>	(+/- 6%)

### Thermal performance

(Internally tested by Autex Lab)  
Cube 1/2" R0.41 (@59°F)

### 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 account manager.



## Product specifications

### Fire ratings

Cube has been evaluated using the following test methods.

#### ASTM E-84-15a

Class A, FS:0 - SD:45

(Cube 1/2")

RJ4479-2

#### 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

Assessed using methodology AS ISO 9705 - 2003

in accordance with AS 5637:2015, as required

by BCA Specification C110-4

FAS200482 SOA1.3

#### 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 account manager.

### 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)

Lanes does not promote the growth of molds and mildew.

### Color 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)

### Color fastness to rubbing

ISO 105-X12:2016

Dry rating: 4-5 (Highest = 5)

Wet rating: 4-5 (Highest = 5)

### Fabric care

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 account 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
<b>Lanes Plane</b>							
● Test Report No. T2228-11	0.10	0.40	0.85	1.00	0.95	0.95	0.80
<b>Lanes Peak</b>							
● Test Report No. T2228-10	0.15	0.45	0.85	0.95	0.90	0.95	0.80
<b>Lanes Sawtooth</b>							
● Test Report No. T2215-15	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.

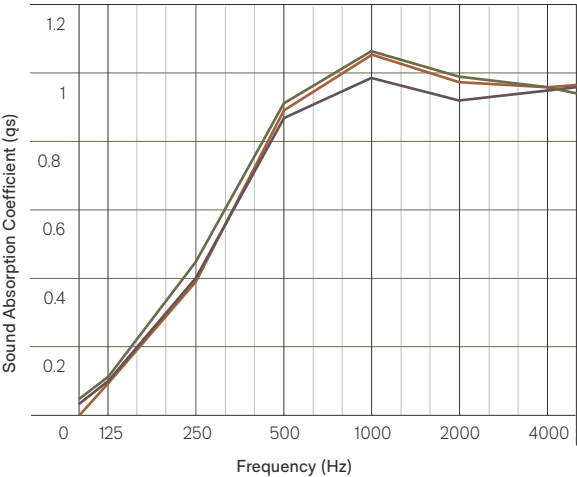
### Absorption Coefficient According to ISO 354

#### 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 color

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

Acros	40	Opera	49
Beehive	33	Parthenon	33
Canyon	19	Pavilion	80
Caspian	6	Petronas	2
Cavalier	12	Pinnacle	3
Empire	5	Sargazo	4
Falling Water	34	Savoye	46
Flatiron	24	Senado	44
Gherkin	8	Terrace	24
Highland	19	Tree House	3
Muralla	9		

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