



**Product  
overview**

Add a feature to any space with Lanes™, 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
  - >80% recycled material
- Low VOC and CDPH compliant
  - <0.092 mg/m<sup>3</sup> (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 [autexglobal.com](http://autexglobal.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 80% recycled material as manufactured by Autex.  
[autexglobal.com](http://autexglobal.com)

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 account manager.



## Product specifications

|                     |   |
|---------------------|---|
| <b>Product name</b> | Lanes™  |
| <b>Composition</b>  | 100% polyester fibre                              |
| <b>Width</b>        | Lanes are a series of 300 mm wide folded sections |
| <b>Thickness</b>    | 12 mm thick Cube, depth varies by design          |
| <b>Tolerance</b>    | (+/- 6%)  |

### Thermal performance

(Internally tested by Autex Lab)

Cube 12 mm R0.41 (@15°C)

### 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.

#### 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

(SMOGRArc): <100m<sup>2</sup>/s<sup>2</sup>

Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637:2015, as required by NCC Specification 7: Fire Hazard properties: S7C4 FI 4974

FAR 4055

#### ASTM E-84-15a

Class A, FS:0 - SD:45

(Cube 1/2")

RJ4479-2

#### 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 account manager.

### Water vapour sorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour 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 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 account manager or visit our website.



## Acoustic performance

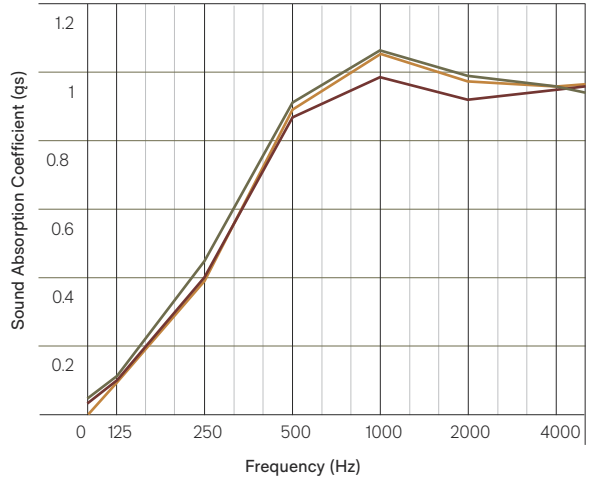
Lanes is specifically designed to reduce and control reverberated and echo noise in building interiors.

| 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 colour

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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