



Lanes™ is manufactured by Autex Industries Ltd under an 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 Lanes
Description 100% polyester lightweight semi-rigid panel

Metric

Lanes dimensions	Lanes are 11 13/16" wide sections x 110" length. Custom lengths available.
Tolerance	(+0.2") x (+0.4")
Thickness	1/2"
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

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

Minimum Noise Reduction Coefficient 0.80

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



Service

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

Care and maintenance

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

Product specifications

Composition

100% polyester fiber from polyethylene terephthalate (PET). Lanes contains a minimum of 60% previously recycled polyester fiber.

Suitable applications

Feature acoustic wall, not recommended for high impact areas.

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:
<5.0m²/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 C1.10-4 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.

Thermal performance

Cube 1/2" R0.41 (59°F)

VOC emissions

Autex Acoustics polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered a low VOC product.
VOC concentration:
0.009 mg/m³ (7 days)

Water vapor sorption

ASTM C1104 / C1104M-13a
Test conditions: 120.2°F, 95%RH
Water vapor 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 molds and mildew.

Color fastness to light

Lanes is suitable for indoor use only. Light fastness is dependent on use and exposure. Lanes 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)

Pattern repeat

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

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.

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