



Accent Ceiling Tiles are manufactured by Autex Industries Ltd under an ISO 9001 and ISO 14001 certified Quality Environmental Management Systems. This 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 the performance properties stated within this guarantee.

Specification

Product name	Accent Ceiling Tiles
Description	100% polyester needle punched, thermally bonded ceiling tile
	Metric
Panel dimensions	595 mm x 1195 mm
Tile tolerance	(+/- 2 mm) (+/- 5 mm)
Thickness	12 mm
Tolerance	(+/- 6%)
Weight	2400 gsm

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

Accent Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors.

Minimum Noise Reduction Coefficient 0.85

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Accent Ceiling Tile (300 mm air gap)	0.70	0.80	0.80	0.90	1.00	1.00	0.85



Service

For further information about Accent Ceiling Tiles 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 fibre from polyethylene terephthalate (PET). Accent Ceiling Tiles contain a minimum of 80% recycled polyester fibre.

Suitable applications

High performing acoustic ceiling tile for reverberation control in commercial and education environments.

Fire ratings

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 NCC Specification 7: Fire Hazard properties: S7C4 FI 4974 FAR 4055

BS EN 13501-1:2018

Ceiling applications
Classification: B-s1, d0
(Cube™ 12 mm)

Tested according to BS EN ISO 11925-2:2020 and BS EN 13823:2020 + A1:2022 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 13964:2014. 7191361939-MEC25/03-JV

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 vapour sorption

ASTM C1104 / C1104M-13a
Test conditions: 49°C, 95%RH
Water vapour absorbed and adsorbed after 4 days: 0.4% by weight.

Impact resistance

ISO 7892:1988

Soft body impact

There is no surface damage or penetration to Accent Ceiling Tiles when subjected to soft body impacts. When adhered to 10 mm plasterboard, the system can resist a 70 joule impact. This is equivalent to the impact of a 50 kg object dropped from a 150 mm height.

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
Accent Ceiling Tiles does not promote the growth of moulds and mildew.

Colour fastness to light

Accent Ceiling Tiles are suitable for indoor use only. Light fastness is dependent on use and exposure. Accent Ceiling Tiles have 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 Accent Ceiling Tiles requires the services of a specialist cleaning company. Refer to the Autex Acoustics Care and Maintenance Guide for more information.

Back loading

None. All loads to be independently supported or transferred to the grid. For questions and concerns please contact your Autex Acoustics account manager.

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