



Accent Ceiling Tile 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 Tile  |
| Description  | 100% polyester needle punched, thermally bonded ceiling tile with impervious layer |

|                  | Metric                |
|------------------|-----------------------|
| Panel dimensions | 595 mm x 1195 mm      |
| Tile tolerance   | (+/- 2 mm) (+/- 5 mm) |
| Thickness        | 13 mm                 |
| Tolerance        | (+/- 6%)              |
| Density          | 239 kg/m <sup>3</sup> |

**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 Tile is 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 13 mm (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 Tile 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 Tile contains a minimum of 60% 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:

<5.0m<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<sup>2</sup>

Assessed using methodology

AS ISO 9705 - 2003

in accordance with AS 5637:2015, as required

by BCA Specification C110-4

FAR 4055

### BS EN 13501-1:2018

Ceiling applications

Classification: B-s2,d0

(Cube™ 12 mm)

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 13964:2014. EUI-20-000268-B

### 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/m<sup>3</sup> (7 days).

### 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.

### Impact resistance

ISO 7892:1988

### Soft body impact

There is no surface damage or penetration to Accent Ceiling Tile 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 Tile does not promote the growth of moulds and mildew.

### Colour fastness to light

Accent Ceiling Tile is suitable for indoor use only. Light fastness is dependent on use and exposure. Accent Ceiling Tile 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 Accent Ceiling Tile requires the services of a specialist cleaning company. Refer to the Accent Ceiling Tile 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 account manager.

## Environmental

Autex Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

Accent Ceiling Tile contains a minimum of 60% previously recycled polyester fibre (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Uncontaminated Accent Ceiling Tile can be recycled.

Accent Ceiling Tile is manufactured from 100% polyester fibre and does not contain formaldehyde binders.

Autex Acoustics polyester fibre supports safer indoor air quality and will not become a potential airborne pollutant. Independantly certified by Declare (Red List Free) and Product Health Declaration (Platinum level).

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