



Grid Ceiling Tiles are manufactured by Autex Industries Ltd and Autex Australia Pty 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** Grid Ceiling Tiles  
**Description** 100% polyester lightweight ceiling grid tile

	Metric
Tile dimensions	23 3/4" x 23 3/4" 47 1/4" x 23 3/4"
Tile tolerance	(+/- 1/16") x (+/- 1/16")
Depth	2" - 6" <small>Varies across the range</small>
Depth tolerance	(+/- 1/16")

**Acoustic performance**

Grid Ceiling Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors. Cap absorption is based on corrugated panel with E400 mounting method test report number T2215-16. Vault data is based on 1/2" Cube™ fitted inside a standard ceiling grid, relevant test report numbers are T2215-18, T1108-1 and T1632-2.

Styles	Overall depth	Depth below grid	Spacing	NRC uncapped	NCR capped
Frame small	2"	1"	2'	0.25	0.60
Medium	4"	3"	2'	0.35	0.60
Large	6"	5"	2'	0.50	0.70
Linear small	2"	1"	2 3/8"	0.45	0.65
Medium	4"	3"	4 3/4"	0.35	0.60
Large	5"	4"	6"	0.35	0.60
Hatch small	2 3/8"	1 1/4"	4 3/4"	0.60	0.70
Medium	4"	3"	7 7/8"	0.60	0.70
Large	6"	5"	11 13/16"	0.70	0.75
Angle small	2"	1"	3 1/8"	0.30	0.60
Medium	4"	3"	6 3/8"	0.30	0.60
Large	6"	5"	8 1/8"	0.40	0.65

Styles	Overall depth	Depth below grid	Spacing	NRC uncapped	NCR capped
Louvre small	2"	1"	2 3/8"	0.55	0.70
Medium	4"	2"	4 3/4"	0.35	0.65
Large	5"	3"	6"	0.50	0.70
Vault small	-	1 5/8"	-	0.80	-
Medium	-	3"	-	0.80	-
Large	-	6 3/8"	-	0.85	-
Vertex small	2"	1"	-	0.10	0.60
Medium	4"	3"	-	0.15	0.60
Large	6"	5"	-	0.25	0.60

**Service**

For further information about Grid 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.

## 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

## Product specifications

### Composition

100% polyester fiber from polyethylene terephthalate (PET). Grid Ceiling Tiles contain a minimum of 60% previously recycled polyester fiber.

### Suitable applications

Ceilings.

### Fire ratings

Grid Ceiling Tiles are made from Cube™ as the base material. 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 BCA Specification C110-4 FI 4974, FAR 4055

### BS EN 13501-1:2018

Ceiling applications  
Classification: B-s2,d0 (Cube 1/2")  
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

### ASTM E-84-15a

Class A, FS:0 - SD:45  
(Cube 12 mm)

RJ4479-2

### 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 vapor sorption

ASTM C1104 / C1104M-13a  
Test conditions: 120°F, 95%RH  
Water vapor absorbed and adsorped after 4 days: 0.4% by weight

### Impact resistance

ISO 7892:1988

### Hard body impact

There is no surface damage or penetration to Grid Ceiling Tiles when subjected to hard body impacts. When adhered to 3/8" plasterboard, the system can resist a 9 joule impact.

This is equivalent to the impact of a 1.1lb object dropped from a 6'6" height. A small indentation might be observed when subjected to an impact equivalent to the impact of a 1.1lb object dropped from a 1.6' height.

### Soft body impact

There is no surface damage or penetration to Grid Ceiling Tiles when subjected to soft body impacts. When adhered to 3/8" plasterboard, the system can resist a 70 joule impact. This is equivalent to the impact of a 110lb object dropped from a 6" height.

### Microbial resistance

ASTM G21-15  
Growth rating: 0 (No growth)  
Grid Ceiling Tiles do not promote the growth of molds and mildew.

### Color fastness to light

Grid Ceiling Tiles are suitable for indoor use only. Light fastness is dependent on use and exposure. Grid Ceiling Tiles have 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

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 Grid Ceiling Tiles require the services of a specialist cleaning company. Refer to the Autex Acoustics Care and Maintenance Guide for more information.

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