Autex Acoustics®

Grid Ceiling Tiles Data Sheet

Product overview

Grid Ceiling Tiles are an acoustic solution designed to elevate traditional ceiling grid systems. Highly adaptable, they can be configured to create many different aesthetics, be it a subtle addition, or an eye-catching feature. Choose from a range of seven adaptable styles with vast options for configuration.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
  - >80% recycled material
- Low VOC and CDPH compliant
  - 0.066mg/m^3 (14 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, or speak with your Autex Acoustics account manager.

Specification

(Ceiling) treatment shall be Grid Ceiling Tiles from thermally bonded high density polyester containing not less than 80% recycled material as manufactured by Autex autexglobal.com

Grid Ceiling Tiles 595 x 595 x 100 mm (nom) depth, colour (_), sound absorption 12 mm: Class E-A, NRC 0.25 - 0.85.

Fire rating ASTM E-84-15a: Class A, FS:0 - SD:45, ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003 Classification: Group 1, 12 mm BS EN 13501-1:2018: B - s2, d0.

Product specifications

Product name	Grid Ceiling Tiles
Composition	100% polyester fibre
Tile dimensions	595 mm x 595 mm 1195 mm x 595 mm
Tile Tolerance	(+/- 0.5 mm) x (+/- 0.5 mm)
Depth	100 mm
Depth Tolerance	(+/- 0.5 mm)

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website. In situations where product is being installed near fire protection systems (e.g. sprinklers or fire alarms) relevant building codes, standards and design rules must be adhered to. Please consult the project engineer and relevant expert such as a fire protection engineer. If Grid Ceiling Tiles are to be specified for use other than as a ceiling tile, please seek guidance from your Autex Acoustics account manager.

Acoustic performance

Grid Ceiling Tiles help reduce and control reverberated noise and echo in building interiors.

Extensive acoustic testing of arrayed assemblies has been undertaken in accordance with ISO 354, using an E-400 mounting method, to inform the performance of grid tiles.

Style	Overall depth	Depth below grid	Spacing	NRC uncapped	NRC capped
Frame	100 mm	75 mm	600 mm	0.35	0.80
Linear	100 mm	85 mm	600 mm	0.35	0.85
Hatch	100 mm	85 mm	600 mm	0.40	0.85
Angle	80 mm	65 mm	600 mm	0.30	0.80

Style	Overall depth	Depth below grid	Spacing	NRC uncapped	NRC capped
Louvre	103 mm	88 mm	600 mm	0.45	0.85
Vault	92 mm	77 mm	600 mm	0.80	-
Vertex	100 mm	85 mm	600 mm	0.25	0.85

Product specifications

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^2/s
As required by NZBC C/VM2

AS ISO 9705 - 2003
Classification: Group 1
(SMOGRArc): <100m^2/s2
Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637.1:2015, 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 15102:2019. 7191361939-MEC25/03-JV

ASTM E-84-15a
Class A, FS:0 - SD:45
(Cube™ 12 mm)
RJ4479-2

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

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

Colour 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)

Colour fastness to rubbing
ISO 105-X12:2016
Dry rating: 4-5 (Highest = 5)
Wet rating: 4-5 (Highest = 5)

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

Service
For further information about Grid Ceiling Tiles or any other Autex Acoustics product, please contact your account manager or visit our website.

Weight per tile

Uncapped

Style	Size	Weight per tile
Frame	595 mm x 595 mm	543.7 g
Frame	595 mm x 1195 mm	830.7 g
Linear	595 mm x 595 mm	830.3 g
Linear	595 mm x 1195 mm	1662.0 g
Hatch	595 mm x 595 mm	816.9 g
Hatch	595 mm x 1195 mm	1645.5 g
Angle	595 mm x 595 mm	673.7 g
Angle	595 mm x 1195 mm	1347.4 g
Louvre	595 mm x 595 mm	821.1 g
Louvre	595 mm x 1195 mm	1662.1 g
Vault	595 mm x 595 mm	946.6 g
Vault	595 mm x 1195 mm	1897.5 g
Vertex	595 mm x 595 mm	575.5 g
Vertex	595 mm x 1195 mm	1151.0 g

Capped

Style	Size	Weight per tile
Frame	595 mm x 595 mm	895.4 g
Frame	595 mm x 1195 mm	1574.6 g
Linear	595 mm x 595 mm	1210.2 g
Linear	595 mm x 1195 mm	2292.4 g
Hatch	595 mm x 595 mm	1140.5 g
Hatch	595 mm x 1195 mm	2290.7 g
Angle	595 mm x 595 mm	995.5 g
Angle	595 mm x 1195 mm	1991.0 g
Louvre	595 mm x 595 mm	1204.0 g
Louvre	595 mm x 1195 mm	2422.5 g
Vertex	595 mm x 595 mm	751.9 g
Vertex	595 mm x 1195 mm	1503.8 g

For custom tiles, weight will vary

Light reflectance values by colour

Grid Ceiling Tiles are suitable for indoor use only.
LRVs were measured in accordance with BS 8493:2008+A1:2010

Acros	40
Beehive	33
Canyon	19
Caspian	6
Cavalier	12
Colosseum	52
Empire	5
Falling Water	34
Flatiron	24
Gherkin	8
Highland	19
Muralla	9
Opera	49
Parthenon	33
Pavilion	80
Petronas	2
Pinnacle	3
Rushmore	41
Sargazo	4
Savoye	46
Senado	44
Terrace	24
Tree House	3

- **New Zealand**
  702-718 Rosebank Road,
  Private Bag 19988,
  Avondale 1746, Auckland
  T 0800 428 839
  T +64 9 828 9179
  autexacoustics.co.nz
- **Australia**
  121-131 Global Avenue,
  Essendon Fields,
  VIC 3041
  T 1800 678 160
  T +61 3 9450 6700
  autexacoustics.com.au
- **United Kingdom**
  Unit J4, Lowfields Way,
  Lowfields Business Park,
  Elland, West Yorkshire,
  HX5 9DA
  T +44 0 142 241 8899
  autexacoustics.co.uk
- **United States**
  742 S Hill Street,
  Suite 501, Los Angeles,
  CA 90014
  T +1 424 203 1813
  autexacoustics.com

Autex is an ISO certified organisation encompassing Quality (ISO 9001), Environmental (ISO 14001), and Health and Safety (ISO 45001). Brand names and logos are registered or unregistered trademarks owned or used under license by Autex Industries Limited or other members of the Autex Group. © Copyright 2026 Autex Industries Ltd. All rights reserved. It is the user's responsibility to determine if the product and information presented in this document is suitable for the intended application by engaging a suitably qualified consultant. The information contained in this document is correct to the best of our knowledge at the date of its publication. To verify that this document is the most current publication please check our website or contact your Autex Acoustics® account manager.