



# 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
  - <0.066 mg/m<sup>3</sup> (14 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

## Environmental Credentials

- 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 [momentumco.com](http://momentumco.com), or speak with your Momentum 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 Acoustics [momentumco.com](http://momentumco.com).

Grid Ceiling Tiles 23 3/4" x 23 3/4" x 4" (nom) depth, color ( ), sound absorption 3/8": NRC 0.25 - 0.85.

Fire rating ASTM E-84-15a: 3/8" FS:25 - SD:250, and CAN/ULC-S102 (3/8" only): FS:15 - SD:65.



### Product Specifications

Product Name	Grid Ceiling Tiles
Composition	100% polyester fiber
Tile Dimensions	23 3/4" x 23 3/4"   47 1/4" x 23 3/4"
Tile Tolerance	(+/- 1/16") x (+/- 1/16")
Depth	4 3/8"
Depth Tolerance	(+/- 1/16")

### 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 Momentum 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.

Disclaimer: Acoustic performance data based on testing with 1/2" Cube panel.

Styles	Overall Depth	Depth Below Grid	Spacing	NRC Uncapped	NRC Capped
Frame	4 3/8"	3 3/16"	23 5/8"	0.35	0.80
Linear	4 3/8"	3 3/16"	23 5/8"	0.35	0.85
Hatch	4 3/8"	3 3/16"	23 5/8"	0.40	0.85
Angle	4 3/8"	3 3/16"	23 5/8"	0.30	0.80

Styles	Overall Depth	Depth Below Grid	Spacing	NRC Uncapped	NRC Capped
Louvre	4 3/8"	3 3/16"	23 5/8"	0.45	0.85
Vault	4 3/8"	3 3/16"	23 5/8"	0.80	-
Vertex	4 3/8"	3 3/16"	23 5/8"	0.25	0.85

### Light Reflectance Values by Color

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
Empire	5
Falling Water	34
Flatiron	24
Gherkin	8
Herald	13
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



# Weight per Tile

## Uncapped

Style	Size	Weight per Tile
Frame	23.75" x 23.75"	19.18 oz
Frame	23.75" x 47.25"	29.30 oz
Linear	23.75" x 23.75"	29.29 oz
Linear	23.75" x 47.25"	5.86 oz
Hatch	23.75" x 23.75"	28.81 oz
Hatch	23.75" x 47.25"	58.04 oz
Angle	23.75" x 23.75"	23.76 oz
Angle	23.75" x 47.25"	47.53 oz
Louvre	23.75" x 23.75"	28.96 oz
Louvre	23.75" x 47.25"	58.63 oz
Vault	23.75" x 23.75"	33.39 oz
Vault	23.75" x 47.25"	66.93 oz
Vertex	23.75" x 23.75"	20.30 oz
Vertex	23.75" x 47.25"	40.60 oz

## Capped

Style	Size	Weight per Tile
Frame	23.75" x 23.75"	26.46 oz
Frame	23.75" x 47.25"	55.54 oz
Linear	23.75" x 23.75"	42.69 oz
Linear	23.75" x 47.25"	80.86 oz
Hatch	23.75" x 23.75"	40.23 oz
Hatch	23.75" x 47.25"	80.8 oz
Angle	23.75" x 23.75"	35.11 oz
Angle	23.75" x 47.25"	70.23 oz
Louvre	23.75" x 23.75"	42.47 oz
Louvre	23.75" x 47.25"	85.45 oz
Vertex	23.75" x 23.75"	26.52 oz
Vertex	23.75" x 47.25"	53.04 oz



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## Product Specifications

### Fire Ratings

Grid Ceiling Tiles are made from Cube as the base material. Cube has been evaluated using the following test methods.

#### ASTM E-84-23a

Class A, FS:25 - SD:250

(Cube 3/8")

RJ9445F-1a

#### CAN/ULC-S102

FS:15 - SD:65

(Cube 3/8")

QA-2243F-3

### Water Vapor Sorption

ASTM C1104 / C1104M-13a

Test conditions: 120°F, 95%RH

Water vapor absorbed and adsorbed 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 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)

### Batch Variation

Non-woven. 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.

### Service

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

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