



# INTERIOR ACOUSTICS CEILING TILES MANUFACTURERS GUARANTEE

Ceiling Tiles are manufactured by Autex Industries Ltd under an ISO 9001 certified Quality Management system. 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.

**Product Name** Ceiling Tiles  
**Description** 100% polyester needle punched, thermally bonded ceiling tile

AUTEX	
<b>Size Options</b>	595mm x 595mm
	595mm x 1195mm
	295mm x 1195mm
<b>Thickness</b>	25mm
<b>Tolerance</b>	(+/- 6%)
<b>Weight</b>	2300gsm

## COMPOSITION

100% polyester fibre from polyethylene terephthalate (PET). Ceiling Tiles contains a minimum of 45% recycled polyester fibre.

## SUITABLE APPLICATIONS

High performing acoustic ceiling tiles for interior 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

(SMOGRARC): <100m<sup>2</sup>/s<sup>2</sup>

Assessed using methodology AS ISO 9705 - 2003 in accordance with AS 5637.1:2015, as required by BCA Specification C1.10-4

FI 4871 dated 11th July, 2012

EN13501-1:2007+A1:2009

B - s<sub>2</sub>, d<sub>0</sub>

185157 dated 22nd July, 2009. Testing done on Quietspace® 25mm Panel

ASTM E-84-14

Class A FS:0 - SD:10

Report RJ3297-7 dated 12th June, 2014

## ACOUSTIC PERFORMANCE

Ceiling Tiles are specifically designed to reduce and control reverberated (echo) noise in building interiors

Noise Reduction Coefficient (NRC) 0.80

Acoustic testing to ISO 354. University of Auckland Testing Service Ceiling Tile 25mm Rebated Tile - Test No. T1108-2

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
25mm Rebated Tile (Suspended System)	0.80	0.85	0.75	0.85	0.90	0.85	0.80

## VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as a low VOC product.

VOC concentration: 0.009 mg/m<sup>3</sup> (7 days)

## BACK LOADING

None. All loads to be independently supported, or transferred to the grid. Grid loading should be to NZS 1170.

## SOUND PRIVACY

CAC (dB): 17 +/- 5 Dn,c,w(dB): 15 +/- 5

Marshall Day Acoustics, 24 March 2011 (Report Number Rp001 2011084A)

## 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

## CARE AND MAINTENANCE

Maintain in accordance with the Care and Maintenance Guide available for this product.