



**Autex
Acoustics®**

Distributed by



Accent Ceiling Tile™

Data Sheet

Product overview

Accent Ceiling Tile™ is a simple, high-performance acoustic tile designed to fit within standard grid systems and comply with typical loading standards. Made from non-woven, needle punched 100% polyester fibre, the tiles are lightweight and sturdy, so they will not chip, crack, or break. Each Accent Ceiling Tile is double sided, with one smooth white face, and one colourful face.

Specification

(Ceiling) treatment shall be Accent Ceiling Tile from thermally bonded polyester containing not less than 60% recycled material as manufactured by Autex.

Tile 595 mm x 1195 mm x 13 mm depth, 23.4 x 47.0" x 1 1/2" depth, colour (L) suspended square edge, sound absorption: Class A, NRC 0.85. Fire rating ISO9705:

Classification: Group 1-S,
AS ISO 9705 – 2003: Group 1, EN13501-1:2007+A1:2009: B – s2, d2, ASTM E-84: Class A, FS:0 – SD:10.

Install as per Autex Acoustics recommendations. If Accent Ceiling Tile is to be specified for use other than as a ceiling tile, please seek guidance from your account manager.

Colour options

	Falling Water		Rosada		Beehive
	Galaxy		Opera		Parthenon
	Pinnacle		Sendao		Sargazo
	Petronas		Acros		
	Empire		Bosco		
	Flatiron		Lotus		
	Savoye		Tree House		
	Pavilion		Gherkin		
	Ironbank		Muralla		
	Zenith		Cavalier		

Product specifications

Product name	Accent Ceiling Tile™
Composition	100% polyester fibre (PET)
Panel dimensions	595 x 1195 mm
Tolerance	(+/- 2 mm) (- 5 mm)
Thickness	13 mm
Tolerance	(+/- 6%)
Weight	3100 gsm

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.



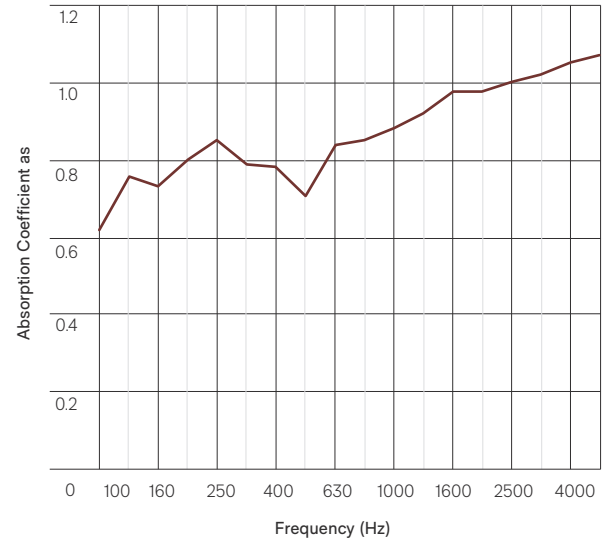
Acoustic performance

Accent Ceiling Tile is specifically designed to reduce and control reverberated noise and echo in building interiors.

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Accent Ceiling Tile 13mm (300 mm air gap)	0.70	0.80	0.80	0.90	1.00	1.00	0.85

Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (according to ISO 354 measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz. and rounded to the nearest 0.05.

Absorption Coefficient According ISO 354
University of Auckland Test Report Number
Accent Ceiling Tile 13 mm (300 mm air gap) - Test No. T1632-2



Product specifications

Fire ratings

ISO 9705: 1993

Classification: Group 1-S

Smoke production rate:

<5.0m²/s

As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1

(SMOGR_{ARC}): <100m²/s²

Assessed using methodology

AS ISO 9705 - 2003

in accordance with AS 5637:2015, as required

by BCA Specification C110-4

FAR 4055

EN13501-1:2007+A1: 2009

B - s₂, d₂

Report WF 336911

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/m³ (7 days).

Water vapour sorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapour absorbed and

adsorbed 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.

Independently certified by Declare (Red List Free) and Product Health Declaration (Platinum level).

Service

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



Light reflectance values by colour

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

Pavilion	80	Galaxy	15
Opera	49	Lotus	14
Savoye	46	Ironbank	13
Rosada	45	Cavalier	12
Senado	44	Muralla	9
Acros	40	Gherkin	8
Falling Water	34	Empire	5
Pathenon	33	Sargazo	4
Beehive	33	Zehith	3
Bosco	29	Tree House	3
Flatiron	24	Petronas	2
Zenith	23		

Caring for the environment

Accent Ceiling Tile is manufactured using 100% polyester fibre and contains a minimum of 60% recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too.

We have continual improvement programmes in which we implement a range of initiatives to mitigate the environmental 'hotspots' that we have identified. Our products are GreenRate Level A, Health Product Declaration (HPD), and CDHP Standard certified.

Accent Ceiling Tile is DeclareSM certified to be Red List free and can be used in Living Building Challenge projects. Autex has a high functioning Environmental Management System (ISO 14001) to enhance our environmental performance and contribute to sustainable development.



Distributed by



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