



Autex
Acoustics®

Composition® Peel 'n' Stick Tiles

Manufacturer's Guarantee

Composition® Peel 'n' Stick Tiles are manufactured by Autex Industries Ltd and Autex Australia Pty Ltd under ISO 9001 and ISO 14001 certified Environmental and Quality 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	Composition® Peel 'n' Stick Tiles
Description	100% polyester needle punched, thermally bonded wallcovering.

Metric

Tile dimensions	600 mm x 600 mm
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Tile tolerance	(+/-5 mm) (+/-5 mm)
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Thickness tolerance	10 - 12 mm
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Weight	Typically 1680 gsm
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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

Acoustic performance

Composition Peel 'n' Stick Tiles are specifically designed to reduce and control reverberated noise and echo in building interiors.

Noise Reduction Coefficient 0.40

Frequency (Hz) 125 250 500 1000 2000 4000 NRC

● Composition
Peel 'n' Stick Tiles 0.05 0.10 0.25 0.55 0.80 0.95 0.40
(10 - 12 mm)



Service	For further information about Composition Peel 'n' Stick 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.		
Product specifications			
Composition 100% polyester fibre from polyethylene terephthalate (PET). Composition Peel 'n' Stick Tiles contain a minimum of 60% recycled polyester fibre.	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)	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.	Finish Non-woven. No pattern repeat, but Composition Peel 'n' Stick Tiles have a 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.
Suitable applications Pinboard and acoustic wallcovering. Accepts pins and staples.	Microbial resistance ASTM G21-15 Growth rating: 0 (No growth) Composition Peel 'n' Stick Tiles do not promote the growth of moulds and mildew.	Colour fastness to light Composition Peel 'n' Stick Tiles are suitable for indoor use only. Light fastness is dependent on use and exposure. Composition Peel 'n' Stick Tiles have been evaluated to the following standard: ISO 105-B02:2014 Rating: 6 (Highest = 7)	Use of hook fastners Although the product surface is receptive to hook fasteners, repeated fastening and unfastening may result in wear on the product surface finish.
Fire ratings Composition Peel 'n' Stick Tiles are made from Composition as the base material. Composition has been evaluated using the following test methods:	Impact resistance ISO 7892:1988	Acoustic performance Autex Acoustics have researched the acoustic performance of Composition when covered in paper (e.g. children's artwork) and found that it helps achieve a more balanced acoustic environment. In some cases, covering Composition with unlaminated paper can have a positive effect on the acoustic performance of the wall. For more information on this please contact your account manager.	This is not a product fault, but an inherent nature of non-woven textiles. We recommend low-profile, micro, or thin hook fasteners (max. 0.5 mm) as these are found to provide minimal wear on the product surface.
ISO 9705: 1993 Classification: Group 1-S Smoke production rate: <5.0m²/s As required by NZBC C/VM2	Hard body impact There is no surface damage or penetration to Composition Peel 'n' Stick Tiles when subjected to hard body impacts. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5 kg object dropped from a 0.5 m height. When adhered to 10 mm plasterboard, the system can resist a 9 joule impact, and no further indentations are observed. This is equivalent to the impact of a 0.5 kg object dropped from a 2 m height.	Colour fastness to rubbing ISO 105-X12:2016 Dry rating: 4-5 (Highest = 5) Wet rating: 4-5 (Highest = 5)	Do not use high-profile or heavy-duty hook fasteners as they may result in visible wear in the product surface finish after repeated attachments. For further information and recommendations on suitable hook fasteners, please contact your account manager.
AS ISO 9705 - 2003 Classification: Group 1 (SMOGRArc): <100m²/s Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, as required by BCA Specification C110-4 FI 4894 FAR 4055	Soft body impact There is no surface damage or penetration to Composition Peel 'n' Stick Tiles when subjected to soft body impacts.		
EN13501-1:2007 B - s1, d0 Report 189053			
ASTM E84 - 14 Class A, FS:5 - SD:25 RJ3297			
Thermal performance R0.22 (@15°C)			

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