



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
Tile tolerance	(+/-5 mm) (+/-5 mm)
Thickness	10 - 12 mm
Thickness tolerance	(+/- 6%)
Weight	Typically 1680 gsm

**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 (10 - 12 mm)	0.05	0.10	0.25	0.55	0.80	0.95	0.40



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.

Suitable applications

Pinboard and acoustic wallcovering. Accepts pins and staples.

Fire ratings

Composition Peel 'n' Stick Tiles are made from Composition as the base material. Composition has been evaluated using the following test methods:

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 C1.10-4 FI 4894 FAR 4055

EN13501-1:2007

B - s1, d0
Report 189053

ASTM E84 - 14

Class A, FS:5 - SD:25
RJ3297

Thermal performance

R0.22 (@15°C)

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)

Microbial resistance

ASTM G21-15
Growth rating: 0 (No growth)
Composition Peel 'n' Stick Tiles do not promote the growth of moulds and mildew.

Impact resistance

ISO 7892:1988

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.

Soft body impact

There is no surface damage or penetration to Composition Peel 'n' Stick Tiles 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.

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)

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.

Colour fastness to rubbing

ISO 105-X12:2016
Dry rating: 4-5 (Highest = 5)
Wet rating: 4-5 (Highest = 5)

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.

Use of hook fasteners

Although the product surface is receptive to hook fasteners, repeated fastening and unfastening may result in wear on the product surface finish.

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.

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.



Environmental

Autex Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

Autex Acoustics Composition Peel 'n' Stick Tiles contain a minimum of 60% previously recycled polyester fibre (from PET bottle-flake).

Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Autex Acoustics Composition Peel 'n' Stick Tiles are manufactured from 100% polyester fibre and do not contain formaldehyde binders. Autex Acoustics polyester fibre supports safer indoor air quality and will not become a potential airborne pollutant.

- **Autex Industries Ltd**

702-718 Rosebank Rd
Private Bag 19988
Avondale 1746, Auckland
New Zealand
Freephone 0800 428 839
Phone +64 9 828 9179
Fax +64 9 828 5810

- **Autex Australia Pty Ltd**

166 Bamfield Road
PO Box 5099
West Heidelberg, Melbourne
VIC 3081, Australia
Freephone 1800 678 160
Phone +61 3 9457 6700
Fax +61 3 9457 1020

- **Autex Acoustics Ltd**

Unit J4, Lowfields Way,
Lowfields Business Park,
Elland, West Yorkshire
Hx5 9Da
United Kingdom
Phone +44 0 1422418899

- **Autex Acoustics LLC**

1630 Dan Kipper Dr,
Riverside, CA 92507
United States of America
Phone +1 424 203 1813

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