



**Product
overview**

Composition® Peel 'n' Stick Tiles are a durable, high-performance acoustic tile with a simple adhesive backing. Made from 100% polyester fiber, Composition Peel 'n' Stick Tiles have a velvety soft hook-and-loop receptive pile, and pinnable self-healing surface. Peel 'n' Stick Tiles don't require safety equipment, spray adhesive, or dry time to install.

Specification

(Wall) treatment shall be Autex Acoustics Composition® Peel 'n' Stick Tiles from non-woven, needle-punched polyester containing no less than 60% post-consumer recycled material as manufactured by Autex www.autexglobal.com

Tile 23.6" x 23.6" x 0.4" - 0.5" (nom.) depth, color (), sound absorption:

Class D, NRC 0.40, Fire ratings: ISO 9705: Classification: Group 1-S, AS ISO 9705 - 2003: Classification: Group 1, EN13501-1:2007+A1:2009: Classification: B - s1, d0

Install as per Autex recommendations.

If Composition Peel 'n' Stick Tiles are to be specified for use other than as a wallcovering, please seek guidance from your account manager.

**Color
options**



Azure



Citrus



Spearmint



Sanz



Atlantis



Granny Smith



Electric Blue



Blazing Red



Stately



Noir



Silver



Civic



Product specifications

| | |
|----------------------------|-----------------------------------|
| Product name | Composition® Peel 'n' Stick Tiles |
| Composition | 100% polyester fiber (PET) |
| Size options | 23.6" x 23.6" |
| Size tolerance | (+/- 0.02") x (+/- 0.02") |
| Thickness | 0.4" - 0.5" |
| Thickness tolerance | (+/- 6%) |
| Weight | 5.51 oz/ft ² |
| Tiles per pack | 12 |

Installation

Install as per Autex Acoustics recommendations. Install instructions are included in each pack or available on the website. If Composition Peel 'n' Stick Tiles are to be specified for use other than as a wallcovering, please seek guidance from your account manager.

Thermal performance

0.4" - 0.5" R0.22(@59°F)

Product specifications

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/s
Assessed using methodology
AS ISO 9705:2003
in accordance with AS 5637:2015, as required by
BCA Specification C110-4
FI 4894
FAR 4055

EN13501-1:2007

B - s1, d0
Report 189053

ASTM E84 - 14

Class A, FS:5 - SD:25
RJ3297

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.

Microbial resistance

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

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 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 Composition requires the services of a specialist cleaning company. Refer to the Composition Peel 'n' Stick Tiles Care and Maintenance Guide for more information.

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.

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.

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

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.



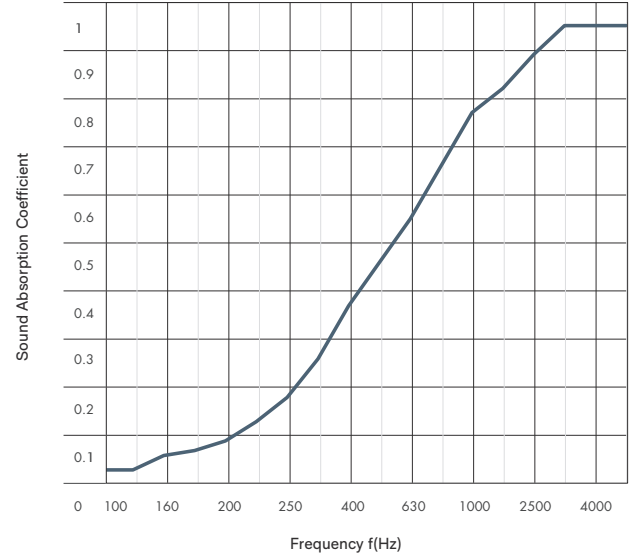
Acoustic performance

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

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
|--|------|------|------|------|------|------|------|
| ● Composition Peel 'n' Stick Tiles (0.4" - 0.5") | 0.05 | 0.10 | 0.25 | 0.55 | 0.80 | 0.95 | 0.40 |

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 centered 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 Testing Service
Composition Peel 'n' Stick Tiles (0.4" - 0.5") - Test No. T0814-2b



Light reflectance values by color

Composition Peel 'n' Stick Tiles are suitable for indoor use only. LRVs were measured in accordance with BS 8493:2008+A1:2010

| | | | |
|---------------|----|---------------|----|
| Civic | 57 | Spearmint | 13 |
| Citrus | 49 | Electric Blue | 12 |
| Sanz | 36 | Atlantis | 8 |
| Azure | 24 | Blazing Red | 8 |
| Silver | 23 | Stately | 3 |
| Granny Smith | 20 | Noir | 1 |
| Spearmint | 13 | | |
| Electric Blue | 12 | | |
| Atlantis | 8 | | |
| Blazing Red | 8 | | |
| Stately | 3 | | |
| Noir | 1 | | |



Caring for the environment

Composition Peel 'n' Stick Tiles are manufactured using 100% polyester fiber and contains a minimum of 60% recycled fiber (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.

Composition Peel 'n' Stick Tiles are made from Composition which 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.



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