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GRAYKING INTERIOR SUPPLY

Autex Acoustics®

Composition® Peel 'n' Stick Tiles

Data Sheet

Product overview

Composition® Peel 'n' Stick is a durable, high-performance acoustic tile with a simple adhesive backing. Made from 100% polyester fibre, Composition Peel 'n' Stick has 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 Composition® Peel 'n' Stick Tiles from non-woven, needle-punched polyester containing no less than 60% post-consumer recycled material as manufactured by Autex.

Tile 600 mm x 600 mm x 10 - 12 mm (nom.) depth, colour (_), 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

Colour options

Raspberry	Calypso	Wasabi	Sapphire
Brilliant Orange	Blush	Lime	Stonewash
Citrus	Myst	Jade	Stately
Clay	Sanz	Granny Smith	Atlantis
Simba	Fawn	Avocado	Electric Blue
Blazing Red	Civic	Spearmint	Porcelain
Vintage	Silver	Sage	Ink
Chilli Red	Koala	Azure	Lightsout
Theatre	Bark	Emerald	Charcoal
Phantom	Cinder	Octane	Noir

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Product Specifications

Product name	Composition® Peel 'n' Stick Tiles
Composition	100% polyester fibre (PET)
Size options	600 mm x 600 mm
Size tolerance	(+/- 5 mm) (+/- 5 mm)
Thickness	10 - 12 mm
Thickness tolerance	(+/- 6%)
Weight	1680 GSM
Tiles per pack	6

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 specification manager or call 1800 678 160.

Thermal performance
10 - 12 mm R0.22(@15°C)

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
(SMOGRArc): <100m2/s2
Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637.1:2015, 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

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.

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 adsorped after 4 days:
0.4% by weight

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 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 Composition requires the services of a specialist cleaning company. Refer to the Composition Care and Maintenance Guide for more information.

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

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 specification 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 fibre and do not contain formaldehyde binders. Autex Acoustics polyester fibre 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 specification 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 has researched the acoustic performance of Composition when covered in unlaminated paper (e.g. children's artwork) and found that it helps achieve a more balanced acoustic environment. For more information on this please contact your specification manager or call 1800 678 160.

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

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 Testing Service
Composition® Peel 'n' Stick Tiles (10 - 12 mm) - Test No. T0814-2b

Light reflectance values by colour

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

Civic	57	Koala	12
Citrus	49	Avocado	11
Myst	42	Sage	9
Sanz	36	Emerald	8
Wasabi	33	Sapphire	8
Lime	29	Atlantis	8
Azure	24	Blazing Red	8
Silver	23	Raspberry	8
Jade	22	Vintage	6
Porcelain	22	Chilli Red	5
Calypso	13	Cinder	5
Fawn	20	Bark	5
Clay	20	Octane	5
Granny Smith	20	Phantom	4
Stone wash	19	Theatre	3
Simba	18	Stately	3
Brilliant Orange	15	Charcoal	3
Spearmint	13	Lightsout	3
Calypso	13	Ink	3
Electric Blue	12	Noir	1

Caring for the environment

Composition Peel 'n' Stick Tiles are manufactured using 100% polyester fibre and contain 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.

Composition Peel 'n' Stick Tiles are 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.

Telarc. Registered
Environment ISO 14001

Red List Free

Declare.

GREEN TAG CERTIFIED

hpdc MEMBER

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