



Product overview

Composition® is a durable, high-performance acoustic wallcovering designed as a paint or wallpaper alternative. Made from 100% polyester fibre, Composition has a velvety soft hook-and-loop receptive pile, and pinnable self-healing surface.

Sustainable material

- Carbon neutral product
- Zero carbon manufacturing
- Recycled content
 - >72% recycled material
- Low VOC and CDPH compliant
 - <0.0035 mg/m³ (7 days)
- Zero waste manufacturing initiative
- Sustainable supply chain and anti-modern slavery

Environmental certifications

- EPD – compliant with ISO 14025 and EN 15804
- ISO 14001 Certified Environmental Management
- Declare – Red List free (third party verified)
- Health Product Declaration
- CDPH Standard



Certifying your green building

Autex Acoustics® products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit autexacoustics.co.uk, or speak with your Autex Acoustics account manager.

Specification

(Wall) treatment shall be Composition made from non-woven needle-punched polyester containing not less than 72% recycled material as manufactured by Autex Acoustics
autexacoustics.co.uk

Roll 10 mm (nom.) depth, colour (), sound absorption: Class D, NRC 0.30, Fire rating BS EN 13501-1:2018: B - s1, d0.

Install as per Autex Acoustics recommendations. If Composition is to be specified for use other than as a wallcovering, please seek guidance from your Autex Acoustics account manager.



Product specifications

Product name	Composition*
Composition	100% polyester fibre (PET)
Roll dimensions	1.22 m x 25 m
Tolerance	(+ 5 mm) (+ 10 mm)
Thickness	8 - 10 mm
Weight	1680 gsm

Installation

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

Thermal performance

Composition 12 mm R0.22 (@15°C)

Acoustic performance

Composition is specifically designed to reduce and control reverberated noise and echo in building interiors.

Product specifications

Fire ratings

Composition has been evaluated using the following test methods:

BS EN 13501-1:2018

Classification: B-s1,d0

Tested using BS EN ISO 11925-2:2020 and BS EN 13823:2020 and classified in accordance with BS EN 13501-1:2018, as required by BS EN 15102:2007 + A1:2011.
EUI-21-000135-C

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

Hard body impact

There is no surface damage or penetration to Composition when subjected to hard body impacts. When adhered to 10 mm plasterboard, the system can resist a 9 joule impact. This is equivalent to the impact of a 0.5 kg object dropped from a 2 m height. 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.

Soft body impact

There is no surface damage or penetration to Composition 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)

Composition does not promote the growth of moulds and mildew.

Colour fastness to light

Composition is suitable for indoor use only. Light fastness is dependent on use and exposure. Composition 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)

Moisture absorption

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture and will not rot or deteriorate in intended use situations.

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.

Refer to the Autex Acoustics Care and Maintenance Guide for more information.

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.

Service

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



Acoustic performance

Composition is specifically designed to reduce and control reverberated noise and echo in building interiors.

With an NRC 0.30.

NRC value is an estimate calculated from flow resistivity values obtained in accordance with ISO 9053-12018 or ASTM C522-03. Not to be considered as a guarantee of acoustic performance.

Light reflectance values by colour

Composition is suitable for indoor use only. LRVs were measured in accordance with BS 8493:2008+A1:2010

Acros	30	Lime	29
Atlantis	8	Muralla	7
Beehive	30	Myst	42
Blazing Red	8	Octane	5
Calypso	13	Opera	47
Canyon	14	Parthenon	28
Caspian	3	Petronas	1
Cavalier	10	Pinnacle	2
Chilli Red	5	Porcelain	22
Electric Blue	12	Sage	9
Empire	3	Sargazo	2
Falling Water	32	Savoye	44
Flatiron	23	Senado	45
Gherkin	5	Simba	18
Granny Smith	20	Spearmint	13
Highland	14	Stonewash	19
Ink	3	Terrace	18
Jade	22	Tree House	2
Koala	12	Vintage	6

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