

INTERIOR ACOUSTICS
COMPOSITION®
DATASHEET





COMPOSITION®

Composition® is an acoustic wall covering available in a range of colours. Typically applied in vertical drops like wallpaper, Composition creates a surface that is pin and velcro receptive. Composition is a durable and flexible polyester wall covering that replaces the need to paint, and is easily maintained to look amazing for a long time.

Beyond all that, it creates incredible learning environments by reducing and managing the echo in the room, resulting in a much more peaceful space for students to learn. But it isn't just students that benefit, Composition is great for any working space.

And because not all spaces are the same we've given you creative freedom. We can cut to any shape, creating something as unique as each one of us.

APPLICATIONS

- Decorative and functional acoustic wallcovering for education, retail and commercial interiors
- Minimise noise in interior environments
- Acoustic pinboard and hook-and-loop surface for education and commercial sectors
- Protective layer for plasterboard
- Alternative finishing to paint

SPECIFICATION:

(Wall) treatment shall be Autex Composition® from non-woven needle-punched polyester containing not less than 45% recycled material as manufactured by Autex www.autexindustries.com

Roll 10-12mm (nom.) depth, colour (L), 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

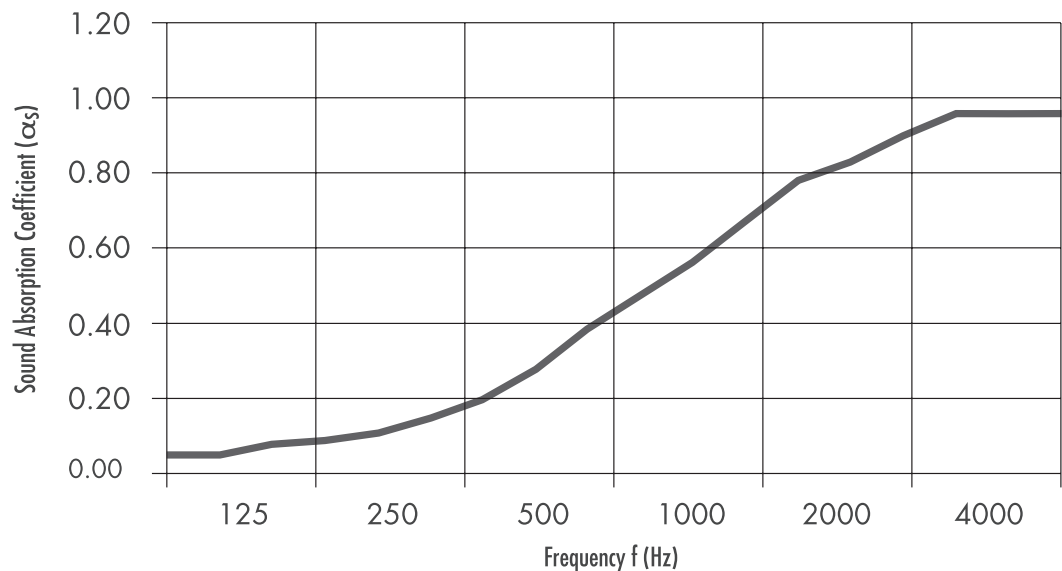
Install as per Autex recommendations.

If Composition is to be specified for use other than as a wallcovering, please seek guidance from your Autex Account Manager.



Autex Industries

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354. UNIVERSITY OF AUCKLAND ACOUSTICS TESTING SERVICE COMPOSITION - TEST NO. T0814-2B



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
Composition®	0.05	0.10	0.25	0.55	0.80	0.95	0.40

PRODUCT SPECIFICATIONS

Product Name	Composition®
Composition	100% Polyester Fibre (PET)
Roll Dimensions	1.22m x 25m
Tolerance	(+5mm) (+10mm)
Thickness	10-12mm
Weight	Typically 1680gsm
Finish	Available in fine velour
Hook-and-Loop	Hook size 1.5mm or less
Staple Size	10mm

INSTALLATION

Install as per Autex recommendations.

If Composition is to be specified for use other than as a wallcovering, please seek guidance from your Autex Account Manager.

FASTNESS TO LIGHT

Composition is suitable for indoor use only.

THERMAL PERFORMANCE

(Internally tested by Autex Technical Department)

Composition R0.22 (@15°C)

ACOUSTIC PERFORMANCE

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

Minimum Noise Reduction Coefficient 0.40



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FIRE RATINGS

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 dated 6th June, 2012 and FAR 4055-2 dated 8th October, 2013

EN13501-1:2007

B - s1, d0
Report 189053 dated 7th December, 2009

VOC EMISSIONS

Autex polyester has been tested by Cetec Pty Ltd
(Report: CV170908) for chemical emission and is
classified as low VOC.

VOC concentration: 0.009 mg/m³ (7 days)

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.
Custom printed Composition requires the services
of a specialist cleaning company.

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.

ENVIRONMENTAL

Autex is committed to best practice through our
ISO 9001 and ISO 14001 certified Quality and
Environmental Management Systems.

Composition products contains a minimum of 45%
recycled polyester fibre (from PET bottle-flake).
Off-cuts and manufacturing waste is re-used or
recycled wherever possible.

Uncontaminated Composition can be recycled.
For further information, please call Autex on
0800 428 839.

Composition is manufactured from 100% polyester
fibres and does not contain formaldehyde binders.
Autex polyester fibres support safer indoor air
quality and will not become a potential
airborne pollutant.

SERVICE

For further information about Composition or any
other Autex product, please contact your Autex
Account Manager or visit our website.

Composition® is a trademark of Autex Industries
Limited and Autex Pty. Composition is proudly
manufactured in New Zealand by Autex Industries
Ltd and in Australia by Autex Pty Ltd.



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COLOUR OPTIONS

WASABI	LIME	JADE	GRANNY SMITH
AVOCADO	SPEARMINT	SAGE	AZURE
EMERALD	OCTANE	SAPPHIRE	STONEWASH
STATELY	ATLANTIS	ELECTRIC BLUE	PORCELAIN
INK	LIGHTSOUT	CHARCOAL	NOIR



Autex Industries

COLOUR OPTIONS

RASPBERRY	BRILLIANT ORANGE	CITRUS	CINDER
BLAZING RED	SIMBA	CLAY	BARK
THEATRE	CHILLI RED	VINTAGE	KOALA
PHANTOM	CALYPSO	MYST	SILVER
BLUSH	FAWN	SANZ	CIVIC