

INTERIOR ACOUSTICS SYMPHONY





SYMPHONY®
COLOUR: ELECTRIC BLUE
AND BLAZING RED

SYMPHONY®

Symphony is an acoustic fabric made in solid colours that is designed to be used in the same way wallpaper is. But unlike wallpaper it can be used as a pinnable surface and offers a sleek, flat finish unlike Composition, which has more of a work horse finish, it offers a higher sense of luxury, but is essentially personal choice.

Beyond all that, it creates focused spaces by reducing and managing the echo in the room resulting in a more productive environment.

And because not all spaces are the same we've given you creative freedom. We can cut to any shape and add any design, creating something as unique as each one of us. It's highly durable and takes everything you can throw at it giving you the assurance of longevity.

SYMPHONY®

APPLICATIONS

- Decorative yet functional wall coverings for classrooms, retail stores or office interiors
- Fixed acoustic wall covering for the purpose of improving the environment by reducing reverberation and background chatter

SPECIFICATION:

(Wall) treatment shall be Autex Symphony® from thermally bonded high density polyester containing not less than 60% recycled material as manufactured by Autex www.autexindustries.com

Roll 10-12mm (nom. depth), colour (L), sound absorption: Class D, NRC 0.40 Fire rating ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003: Classification: Group 1, EN13501-1:2007+A1:2009: B - s1, d0.

Install as per Autex recommendations. If Autex Symphony® is to be specified for use other than as a wallcovering, please seek guidance from your Autex Account Manager.





ABSORPTION COEFFICIENT ACCORDING TO ISO 354

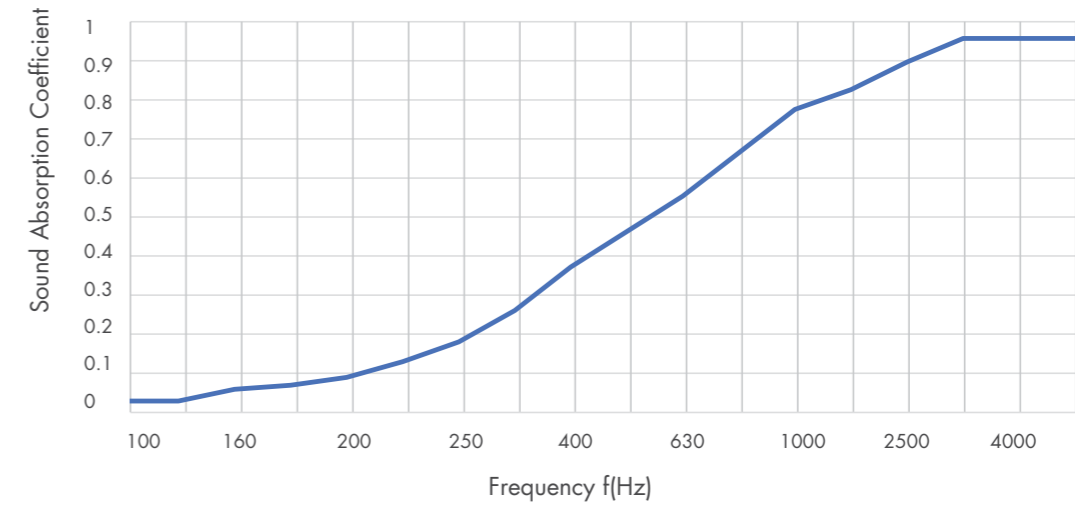


Table presents the practical sound absorption coefficients as according to ISO 11654. Graph presents third octave sound absorption coefficients (According to ISO 354 Measurement of sound absorption in a reverberation room.) The NRC rating is determined as the arithmetic average of the absorption coefficients measured by one-third octave bands centred on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz, and rounded to the nearest 0.05.

Frequency (Hz)	University of Auckland Test Report Number	125	250	500	1000	2000	4000	NRC
Symphony® 10-12mm	T0814-2b	0.02	0.08	0.25	0.54	0.81	0.94	0.40

PRODUCT SPECIFICATIONS

Product Name Symphony®
 Composition 100% Polyester Fibre (PET)
 Roll Dimensions 1.22m x 25m
 Tolerance (+5mm) (+10mm)
 Thickness 10 - 12mm
 Weight 1730gsm

INSTALLATION

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

LIGHT REFLECTANCE VALUES BY COLOUR

Civic	57	Avocado	11
Citrus	49	Blush	10
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
Fawn	20	Cinder	5
Clay	20	Bark	5
Granny Smith	20	Octane	5
Stonewash	19	Phantom	4
Simba	18	Theatre	3
Brilliant Orange	15	Stately	3
Spearmint	13	Charcoal	3
Calypso	13	Lightsout	3
Electric Blue	12	Ink	3
Koala	12	Noir	1

LRVs were measured in accordance with BS 8493:2008+A1:2010

FIRE RATING

Symphony has been evaluated using the following test methods:

ISO 9705: 1993

Classification: Group 1-S

Smoke Production Rate: <math>< 5.0\text{m}^2/\text{s}</math>

As required by NZBC C/VM2

AS ISO 9705 - 2003

Classification: Group 1

(SMOGRARC): <math>< 100\text{m}^2/\text{s}^2</math>

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

ASTM E84 - 14

Class A, FS:5 - SD:25

Report R\3297-9R1 dated 7th December, 2009

VOC EMISSIONS

Autex polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered as 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

IMPACT RESISTANCE

ISO 7892:1988

Hard Body Impact

There is no surface damage or penetration to Symphony when subjected to hard body impacts. When adhered to 10mm plasterboard, the system can resist a 9-joule impact. This is equivalent to the impact of a 0.5kg object dropped from a 2m height. A small indentation might be observed when subjected to an impact equivalent to the impact of a 0.5kg object dropped from a 0.5-m height.

Soft Body Impact

There is no surface damage or penetration to Symphony when subjected to soft body impacts. When adhered to 10mm plasterboard, the system can resist a 70-joule impact. This is equivalent to the impact of a 50-kg object dropped from a 150mm height.

COLOUR FASTNESS TO LIGHT

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

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.

ACOUSTIC PERFORMANCE

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

MICROBIAL RESISTANCE

ASTM G21-15

Growth Rating: 0 (No growth)

Symphony® does not promote the growth of moulds and mildew.

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.

ENVIRONMENTAL

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

Autex Symphony contains 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 Symphony 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 Symphony or any other Autex product, please contact your Autex account manager or visit our website.



SYMPHONY[®] COLOUR OPTIONS



To order a colour sample, please contact your Autex account manager
or visit www.autexindustries.com

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CARING FOR THE ENVIRONMENT

Symphony® is manufactured using 100% polyester fibre and contains a minimum of 60% previously recycled fibre (from PET plastics). Our products are designed to be recycled at the end of their life too. We use Life Cycle Analysis (LCA) to understand the environmental impacts of our products and set targets to reduce these. All our products have been verified as low VOC and are free from chemical binders making them great for indoor environmental quality (IEQ).

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, LCARate Gold and PHD level platinum certified.

Symphony® is Declare 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."



Declare.



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