



**Autex  
Acoustics®**

**Symphony®**

**Manufacturer's  
Guarantee**

Autex Symphony® is manufactured by Autex Industries Ltd under an ISO 9001 accredited Quality and Management System. The product is guaranteed to be free from manufacturing defects and carries a Manufacturer's Guarantee for a period of no less than ten years to meet all of the performance properties stated within this guarantee.

**Specification**

**Product Name** Symphony  
**Description** 100% polyester needle punched, thermally bonded wallcovering

	Metric
Roll Dimensions	1.22m x 25m
Tolerance	(+5mm) (+10mm)
Thickness	10 - 12mm
Weight	2400gsm

**Physical Description /  
Properties**

Boiling Point:	N/A
Melting Point:	250°C
Vapour Pressure:	N/A
Specific Gravity:	Polyester 1.38
Flash point:	N/A
Explosive limits:	N/A
Solubility in water:	Not soluble
Alkalinity:	pH 7.8
Relative Vapour Density:	N/A

**Acoustic Performance**

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

Noise Reduction Coefficient 0.40

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● <b>Symphony</b> (10mm - 12mm)	0.02	0.08	0.25	0.54	0.81	0.94	0.40



## Service

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

## Care and Maintenance

Maintain in accordance with the Care and Maintenance Guide available for this product.

## Product Specifications

### Composition

100% Polyester Fibre from polyethylene terephthalate (PET). Symphony contains a minimum of 60% recycled polyester fibre.

### Suitable applications

Acoustic wallcovering. Accepts pins and staples.

### Fire rating

Symphony has been evaluated using the following test methods:

#### ISO 9705: 1993

Classification: Group 1-S  
Smoke production rate:  
<5.0m<sup>2</sup>/s  
As required by NZBC C/VM2

#### AS ISO 9705 - 2003

Classification: Group 1  
(SMOGR<sub>ARC</sub>): <100m<sup>2</sup>/s<sup>2</sup>  
Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:2015 as required by BCA Specification C110-4  
FI 4894 dated 6th June, 2012 and FAR 4055-2 dated 8th October, 2013

#### 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

#### ASTM E84 - 14

Class A, FS:5 - SD:25  
Report RJ3297-9R1 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/m<sup>3</sup> (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

### 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 0.5 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 Symphony 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.

### Thermal performance

R0.22 (@15°C)

### 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.

### 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.

### Toxicity

Polyester is classed as no more toxic than wood under the state of New York Article 15 part 1120.

Polyester is pH7.8 (where pH7.0 is neutral), resistant to biological, bacterial or vermin attack.

### Finish

Non-woven. No pattern repeat but Symphony has a 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.

