

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.

**Product Name** Symphony®  
**Description** 100% polyester needle punched, thermally bonded wallcovering  
**Roll Dimensions** 1.22m x 2.5m  
**Thickness** 10-12mm  
**Weight** Typically 1600gsm

**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.

**Colour Fastness to Light**  
 Symphony® is suitable for indoor use only. Colour and light-fastness are dependent on use and exposure.

Symphony® has been tested and is guaranteed to perform to the following standards:

**TSL 9002**  
 Light Fastness Rating: 6-7 (7= highest)  
**ISO105-B02-1994 (Grey Scale 1-5):**  
 Light Fastness Rating: 3

**Colour Fastness to Rubbing**  
 AS2001.4.3 | Wet 4-5 | Dry 4-5 (5 = highest)

**Thermal Performance** R0.22 (@15°C)

**Fire Ratings**  
**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>  
 As required by BCA C1.10  
FI 4894 dated 6th June, 2012

**EN13501-1:2007+A1:2009**  
 B - s1, d0  
Report 189053 dated 7th December, 2009

**Acoustic Performance**

Symphony® is specifically designed to reduce and control reverberated (echo) noise in building interiors.  
 Noise Reduction Coefficient 0.40

Acoustic testing to ASTM C423-99. University of Auckland Testing Service  
 Symphony® - Test No. T0814-2b

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

**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.

**Impact Resistance**

Symphony® has been impact resistance tested to EN13964:2004 and meets the criteria of Class 1A; not adversely affected at impact velocities over 16.5m/s.

**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.

**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

**Care and Maintenance**

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