



**Product  
overview**

Sordino™ is a roll form acoustic wallcovering with a sleek, flat finish. Designed as a high-performance alternative to paint and wallpaper, Sordino has a pinnable surface—perfect for acoustic pinboards and creative studio spaces.

**Specification**

(Wall) treatment shall be Sordino™ made from thermally bonded high density polyester containing not less than 60% recycled material as manufactured by Autex [www.autexglobal.com](http://www.autexglobal.com)

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

Roll 0.4" - 0.5"(nom. depth), color ( ), sound absorption: Class D, NRC 0.40 Fire rating ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003: Classification: Group 1, BS EN 13501-1:2018: B - s1, d0.

**Color options**

 Raspberry	 Calypso	 Wasabi	 Sapphire
 Brilliant Orange	 Blush	 Lime	 Stonewash
 Citrus	 Myst	 Jade	 Stately
 Clay	 Sanz	 Granny Smith	 Atlantis
 Simba	 Fawn	 Avocado	 Electric Blue
 Blazing Red	 Civic	 Spearmint	 Porcelain
 Vintage	 Silver	 Sage	 Ink
 Chilli Red	 Koala	 Azure	 Lightsout
 Theatre	 Bark	 Emerald	 Charcoal
 Phantom	 Cinder	 Octane	 Noir



## Product specifications

<b>Product name</b>	Sordino™
<b>Composition</b>	100% polyester fiber (PET)
<b>Roll dimensions</b>	48" x 36"
<b>Tolerance</b>	(+0.2") x (+0.4")
<b>Thickness</b>	0.4" - 0.5"
<b>Weight</b>	5.67 oz/ft <sup>2</sup>

### Installation

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

## Product specifications

### Fire rating

Sordino 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  
FAR 4055

#### 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 RJ32971

### VOC emissions

Autex Acoustics polyester has been tested for chemical emissions in accordance with ASTM D5116 and is considered a low VOC product.  
VOC concentration: 0.009 mg/m<sup>3</sup> (7 days)

### Water vapor sorption

ASTM C1104 / C1104M-13a  
Test conditions: 49°C, 95%RH  
Water vapor 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 Sordino 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 Sordino 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.

### Color fastness to light

Sordino is suitable for indoor use only. Light fastness is dependent on use and exposure. Sordino has been evaluated to the following standard: ISO 105-B02:2014  
Rating: 6 (Highest = 7).

### Color 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 fiber blending and lay-up, which is an inherent feature of this product.

### Microbial resistance

ASTM G21-15  
Growth rating: 0 (No growth)  
Sordino does not promote the growth of molds 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 Acoustics is committed to best practice through our ISO 14001 certified Environmental Management Systems.

Sordino contains a minimum of 60% previously recycled polyester fiber (from PET bottle-flake). Off-cuts and manufacturing waste are re-used or recycled wherever possible.

Sordino is manufactured from 100% polyester fiber and does not contain formaldehyde binders. Autex Acoustics polyester fiber supports safer indoor air quality and will not become a potential airborne pollutant.

### Service

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



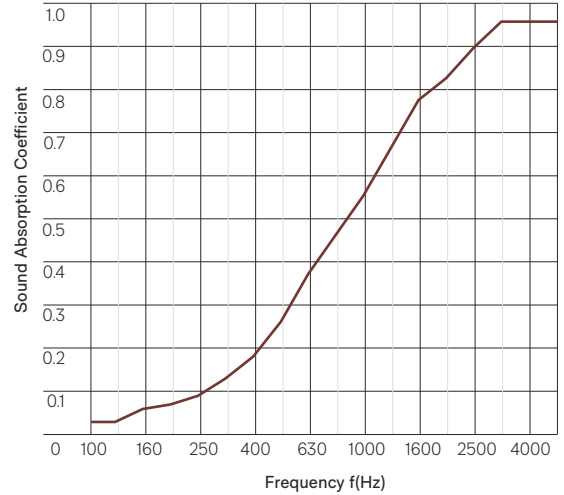
## Acoustic performance

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

Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● <b>Sordino</b> (0.4* - 0.5*)	0.02	0.08	0.25	0.54	0.81	0.94	0.40

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 centered on 250 Hz, 500 Hz, 1000 Hz and 2000 Hz.

Sound Absorption Coefficients According to ISO 354.  
University of Auckland Testing Service  
Sordino 0.4\* - 0.5\* - test no: T0814-2b



## Light reflectance values by color

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

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



## Caring for the environment

Sordino is manufactured using 100% polyester fiber and contains a minimum of 60% recycled fiber (from PET plastics). Our products are designed to be recycled at the end of their life too.

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, Health Product Declaration (HPD), and CDHP Standard certified.

Sordino is DeclareSM 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.



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