



**Autex
Acoustics®**

Sordino™

Manufacturer's Guarantee

Autex Sordino™ 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 20 years to meet all of the performance properties stated in this guarantee. This guarantee excludes damage caused by daily wear and tear, contamination (including moisture, dust, or stains), fading or discoloration from sunlight exposure, and any issues resulting from incorrect installation or improper maintenance.

Specification

Product name Sordino™
Description 100% polyester needle punched, thermally bonded wallcovering

| | Imperial |
|------------------|-------------------------|
| Roll dimensions | 4' x 36' |
| Panel dimensions | 47.25" x 110" |
| Tolerance | (+0.2") x (+0.4") |
| Thickness | 0.4" - 0.5" |
| Weight | 5.51 oz/ft ² |

**Physical description/
properties**

| | |
|-------------------------|----------------|
| Boiling point: | N/A |
| Melting point: | 482°F |
| Vapor 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 vapor density: | N/A |

Acoustic Performance

Sordino 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 |
|---------------------------------|------|------|------|------|------|------|------|
| Sordino (0.4" - 0.5") | 0.02 | 0.08 | 0.25 | 0.54 | 0.81 | 0.94 | 0.40 |



Service

For further information about Sordino or any other Autex Acoustics product, please contact your 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 Fiber from polyethylene terephthalate (PET). Sordino contains a minimum of 72% recycled polyester fiber.

Suitable applications

Acoustic wallcovering. Accepts tacks and staples.

Fire rating

Sordino has been evaluated using the following test methods:

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

(SMOGR_{arc}): <100m²/s²

Assessed using methodology AS ISO 9705:2003 in accordance with AS 5637:2015 as required by NCC Specification 7: Fire Hazard properties: S7C4 FI 4894 and 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 RJ3297-9R1

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 vapor sorption

ASTM C1104 / C1104M-13a

Test conditions: 49°C, 95%RH

Water vapor absorbed and adsorbed after 4 days:

0.4% by weight

Thermal performance

R0.22 (@59°F)

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

ISO 7892:1988

Hard body impact

There is no surface damage or penetration to Sordino 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 Sordino 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.

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.

Finish

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

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