



ACOUSTIC CURTAIN FABRIC

SPACIO

Heavyweight 635 g/m² recycled-PET acoustic drape · α_w 0.75 (Class C) · 16 colours

We engineer silence.

01

Product Overview

SPACIO is a heavyweight 100% recycled-polyester acoustic drape, woven in Italy from post-consumer PET bottles. Engineered for spaces that need to look soft and sound calm – offices, hospitality, education, residential.

The defining feature is its density: at 635 g/m² (≈ 890 g per linear metre on a 140 cm bolt) it is roughly twice the weight of a standard decorative curtain – and that is precisely why it absorbs sound across the speech and music range.

The surface carries a subtle three-dimensional texture (a fine geometric relief) that scatters high-frequency reflections and gives the curtain a tactile, architectural quality without reading as “technical”.

Technical specification

Composition	100% Recycled Polyester (post-consumer PET)
Weight (linear)	890 g/lm (±5%) – EN 12127
Weight (sq. m)	635 g/m ² (±5%) – EN 12127
Width	140 cm (±2%)
Abrasion	50,000 Martindale rubs (±10%) – ISO 12947-2
Light fastness	6 (blue scale 5–8) – ISO 105-B02 Xenotest
Rubbing fastness	4/5 grey scale (wet/dry) – ISO 105-X12
Pilling	5/5 after 2,000 rubs – ISO 12945-2
Made in	Italy
Warranty	5 years

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Sound Absorbing Performance

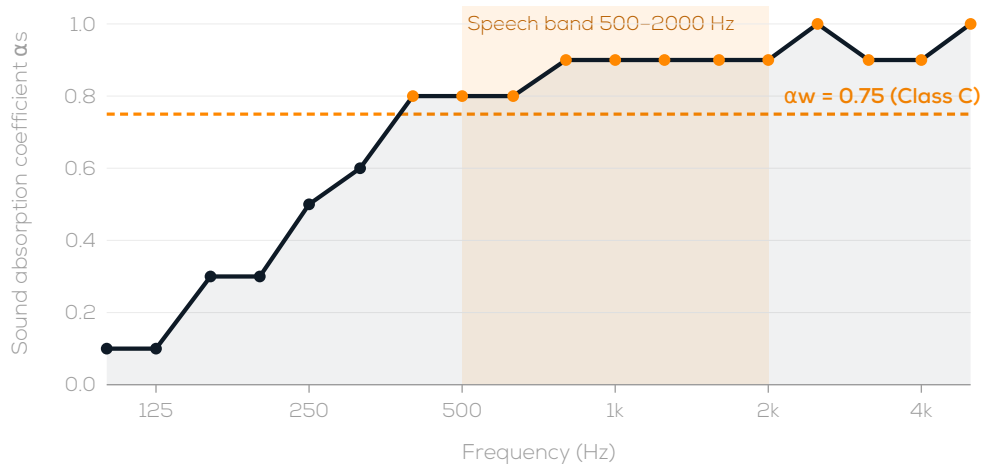
SPACIO is a broad-band absorber. The combination of high mass per square metre and fine surface relief converts incident acoustic energy into heat across the most relevant speech and music frequencies, reducing reverberation and improving intelligibility in the rooms where it hangs.

$\alpha_w = 0.75$ – Sound absorption Class C

Per UNI EN ISO 11654, configuration G-100 (curtain hung 100 mm in front of a hard wall).

Absorbs roughly 80% of mid-frequency speech energy across the 500–2000 Hz band.

Sound absorption curve



Independent ISO 354 acoustic test, accredited Italian laboratory, 2020. Sample of 11.88 m² mounted in G-100 configuration; rated per UNI EN ISO 11654.

Per third-octave α_s values

Frequency	α_s	Frequency	α_s	Frequency	α_s
100 Hz	0.10	400 Hz	0.80	1600 Hz	0.90
125 Hz	0.10	500 Hz	0.80	2000 Hz	0.90
160 Hz	0.30	630 Hz	0.80	2500 Hz	1.00
200 Hz	0.30	800 Hz	0.90	3150 Hz	0.90
250 Hz	0.50	1000 Hz	0.90	4000 Hz	0.90
315 Hz	0.60	1250 Hz	0.90	5000 Hz	1.00

Highlighted cells indicate $\alpha_s \geq 0.80$ – the band where SPACIO absorbs the strong majority of incident sound energy. SPACIO is an absorber: it reduces in-room reverberation, not sound transmission between rooms.

03

Fire Performance & Certifications

SPACIO meets the principal European, UK and US fire-reaction standards for curtain and upholstery applications, and is certified for human-skin contact and recycled content.

<p>FIRE</p> <p>UNI 9175 Class 1 IM</p> <p>Fire reaction (IT)</p>	<p>FIRE</p> <p>EN 1021-1 / EN 1021-2</p> <p>Cigarette / match (EU)</p>	<p>FIRE</p> <p>BS 7176 Low Hazard</p> <p>Furniture (UK)</p>
<p>FIRE</p> <p>California TB 117:2013</p> <p>Upholstery (US)</p>	<p>ECO</p> <p>OEKO-TEX Standard 100</p> <p>Skin-safe textile</p>	<p>ECO</p> <p>GRS 2020-138 (ICEA)</p> <p>Global Recycled Standard</p>
<p>ECO</p> <p>100% Recycled PET</p> <p>Post-consumer bottles</p>	<p>ORIGIN</p> <p>Made in Italy</p> <p>Woven in Italy</p>	<p>WARRANTY</p> <p>5-Year Warranty</p> <p>Against manufacturing defects</p>

04

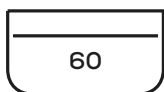
Applications

SPACIO is designed for environments where acoustic comfort and tactile, residential-feeling surfaces matter equally:

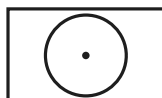
- Offices and meeting rooms – reduce reverberation, raise speech clarity.
- Hospitality – restaurants, hotel lobbies, lounges and conference suites.
- Education – classrooms, lecture theatres, libraries.
- Residential – high-spec apartments, home cinemas, listening rooms.
- Cultural and civic spaces – auditoria, foyers, multipurpose halls.

Care

SPACIO is washable on a 60 °C cycle, can be tumble-dried on a low setting, professionally dry-cleaned (P), and must not be bleached.



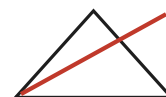
Wash 60 °C



Tumble dry low



Dry-clean (P)



Do not bleach

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Colour Palette

SPACIO is available in 16 standard colours. Codes are AcoustiCy SPACIO-XXXX references; quote the full code (e.g. SPACIO-4066) when ordering.



Slight colour variations between production lots are within commercial tolerance. On-screen colours are indicative – request a physical sample for final selection.

All swatches: 100% recycled polyester (post-consumer PET), 635 g/m², 140 cm wide, woven in Italy. Acoustic performance: $\alpha_w = 0.75$ (Class C, ISO 11654, configuration G-100).

All figures shown match independent test data on file. SPACIO is an acoustic absorber and does not reduce sound transmission between rooms. For very large or specialised installations, request a project-specific acoustic study from AcoustiCy.