

Resilient 250 (RS250)

TECHNICAL SPECIFICATION Acoustic Resilient Layer for Base Floors

Acoustic cushion underlay for use with a wide range of floor coverings

Domestic and commercial use, suitable for heavy foot traffic
Manufactured using Sponge Rubber. Backed by a 10 Year Guarantee
Roll Size: 2.5mm – 1.37m x 7.30m (10.0m² / roll) / 54" x 23.95' (107.6ft² / roll)

Specification	BS Requirements	Result	Test Method
Nominal Thickness Nominal Weight Nominal Roll Weight Density		2.50 mm 2.40 kg/m ² / 0.49 lb/ft ² 24.0 kg / 52.9 lb 960 kg/m ³ / 59.9 lb/ft ³	EN 823 + Annex A.3.1
Colour and Appearance Compound Bonding Agent Packaging		Black non-woven polypropylene facing / white non-woven polypropylene backing Sponge Rubber Synthetic Rubber Clear Bag with Printed Insert	
Resistance to Breaking or Cracking	No cracks longer than 50mm	Pass - No cracks visible	BS EN 14499:2015
Odour Antimicrobial and Mildew Resistant		No objectionable odour Yes	
Moisture Tolerance (RH%)		85% Relative Humidity 99% Relative Humidity	Without DPM (Visqueen) With 6 mil DPM (Visqueen)
Thermal Resistance (R)		0.23 Togs	BS 4745
Acoustic Performance Measured Improvement of Impact Sound (ΔL_w) Luxury Vinyl Tile (2.5mm) Luxury Vinyl Tile (4.5mm) Luxury Vinyl Tile (5mm) Linoleum (2.5mm) Laminate (8mm) Engineered Wood (14mm) Carpet Tile (Bitumen Backed) Ceramic Tile (9mm)		19 dB ΔL_w * 20 dB ΔL_w / IIC 54 / Δ IIC 24 * 20 dB ΔL_w / IIC 54 / Δ IIC 24 * 21 dB ΔL_w / IIC 55 / Δ IIC 25 * 18 dB ΔL_w / IIC 52 / Δ IIC 22 * 18 dB ΔL_w / IIC 52 / Δ IIC 22 * 17 dB ΔL_w / IIC 51 / Δ IIC 21 * 30 dB ΔL_w / IIC 64 / Δ IIC 30 * 17 dB ΔL_w / IIC 50 / Δ IIC 21 *	BS EN ISO 10140-3: 2021 & BS EN ISO 717-2: 2020 BS EN ISO 10140-3: 2021, BS EN ISO 717- 2: 2020, ASTM E989- 21 & ASTM E2179

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Acoustic Performance (Cont.)			
Impact Insulation Class (IIC)		IIC 51 / ΔIIC 23 *	ASTM – E989-21
Luxury Vinyl Tile (4.7mm) Luxury Vinyl Tile (5mm)		IIC 73 / HIIC 91 / STC 65 ** IIC 72 / HIIC 92 / STC 64 **	ASTM – E492-09, ASTM – E3222-04 & ASTM – E90-09
Reaction to Fire Test performed on RS250 with no floorcovering		Class B _{FL-s1} ***	EN 13051
Crack Resistance		High Performance	ANSI A118.12
Water Vapour Permeance Rating		0.13 perms	ASTM E96

RESPONSIBLY MADE

RS250 is free from plasticisers, asbestos, formaldehyde, halogens and heavy metals.
It complies with the French afsset A+ guidelines on VOCs, and meets the German AgBB scheme standards.

ECOLOGICAL ASPECTS

RS250 is solvent free and does not contain any other ozone depleting substances.
The renewal resources used in the product do not compete with food crops (during growth).

HEALTH & SAFETY

RS250 does not require special health and safety measures to be taken. When installing floor coverings, it is essential to adhere to the manufacturer's advice on protection.

PROCESSING

The approval of flooring and adhesive manufacturers must be obtained prior to the installation of the product.

GREEN CREDENTIALS

Green Features	Description	LEED Programme
Recyclable	At the end of the underlays useful life, it can be 100% recycled	MR 2.0: Points Available It can be recycled
Recycled Content	Contains not less than 3% pre-consumer recycled material	MR 4.0: Points Available Recycled Content
Indoor Air Quality	Meets or exceeds the industry standard for indoor air quality as established by the CRI Green Label Programme	IEQ 4.3: Points Available Product is Green Label Certified
Regional Materials	Production Facility – Haslingden BB4 4LS, UK Where used within 500 miles of the Production Facility	MR 5.0: Points Available

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LEED points must be considered along with other building components and must be determined by the specifiers/architect or LEED accredited professional

Please Note:

- The nominal roll dimensions have been quoted. These may vary slightly but will comply with the requirements of BS EN 14499:2015.
- RS250 must not be installed at temperatures below 10°C (50° F).
- For further information on the guarantee and product warranty, please refer to the Interfloor guarantee document which is available from the www.interfloor.com/commercial/sonixx website.
- *Tested on a 140mm / 5½" thick concrete floor with no floor covering and no ceiling system.
- **Tested with a floor-ceiling assembly - 152mm / 6" thick concrete slab with floor covering.
- ***RS250 is always installed with a floorcovering above, which would improve the installations fire classification.
- RS250 is produced in a facility accredited to ISO 9001, 14001 and 45001.