

## 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 (10.0m<sup>2</sup> / roll) / 54" x 23.95' (107.6ft<sup>2</sup> / roll)

Specification	BS Requirements	Result	Test Method
Nominal Thickness Nominal Weight Nominal Roll Weight Density		2.50 mm 2.40 kg/m <sup>2</sup> / 0.49 lb/ft <sup>2</sup> 24.0 kg / 52.9 lb 960 kg/m <sup>3</sup> / 59.9 lb/ft <sup>3</sup>	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 ( $\Delta L_w$ )  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 $\Delta L_w$ *  20 dB $\Delta L_w$ / IIC 54 / $\Delta$ IIC 24 * 20 dB $\Delta L_w$ / IIC 54 / $\Delta$ IIC 24 * 21 dB $\Delta L_w$ / IIC 55 / $\Delta$ IIC 25 * 18 dB $\Delta L_w$ / IIC 52 / $\Delta$ IIC 22 * 18 dB $\Delta L_w$ / IIC 52 / $\Delta$ IIC 22 * 17 dB $\Delta L_w$ / IIC 51 / $\Delta$ IIC 21 * 30 dB $\Delta L_w$ / IIC 64 / $\Delta$ IIC 30 * 17 dB $\Delta L_w$ / IIC 50 / $\Delta$ 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 <sub>FL-s1</sub> ***	EN 13051

#### **RESPONSIBLY MADE**

RS250 is free from plasticisers, asbestos, formaldehyde, halogens and heavy metals.  
It complies with the French afset 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](http://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.