TECHNICAL DATASHEET · ACCESSORIES

High Performance Underlay 29dB Sound Reduction

Kite Flooring

Heavyweight 5mm sponge rubber for floated wood and laminate floors, for when sound-proofing really matters. Sold in 15m² rolls.

5mm	29dB	15m²	0.56
Thickness	Impact sound reduction	Coverage per roll	Thermal resistance (tog)

Why we recommend it

- The best performing underlay we sell. Heavyweight rubber (2.7 kg per m²) that cuts impact sound by up to 29dB.
- The one to use in flats, where management companies often set sound-proofing requirements.
- Rated for Heavy Contract Use, and barely flattens: just 3.5% thickness loss after dynamic loading.
- Low tog rating, so heat gets through. Suitable for water-based underfloor heating.
- Antimicrobial and mildew resistant, with no objectionable odour.
- A+ VOC rating (CRI Green Label Plus), 100% recyclable, made in the UK.

When to choose something else

- **Sound-proofing isn't critical:** our 23dB Wood and Laminate underlay does the job for less.
- **Electric (mat or dry) underfloor heating:** the manufacturer doesn't recommend an underlay with these systems.
- **Door heights:** at 5mm it's thicker than most underlays, so check door and threshold clearances.
- **Glued-down floors:** this is for floated floors only. Talk to us, it can get technical.

Built for heavy use

Classified HC/U (Heavy Contract Use) under BS 5808 / BS EN 14499, so it's as happy in a busy hallway as a bedroom.

Technical data

Material: flat sponge rubber (black), with a printed Textron® backing. Tested to BS 5808:1991 / EN 14499:2015.

Property	Value	Standard
Nominal thickness	5.0mm	ISO 1765
Roll size Nominal, 1.37m × 11.0m	15.07m²	—
Weight / density Roll weight 40.9 kg	2712 g/m² 542 kg/m³	—
Impact sound reduction (ΔLw)	29 dB	BS EN ISO 10140-3
End use classification	HC/U	BS EN 14499
Work of compression Retention after loading: 89%	96 J/m²	BS 4052 / ISO 2094
Thickness loss, dynamic load Max allowed 15%	3.5%	BS 4052 / ISO 2094
Thickness loss, static load Max allowed 15%	4.0%	ISO 3415/3416
Breaking strength (length / width)	282N / 162N	EN ISO 13394
Resistance to cracking	Pass	EN 14499
Thermal resistance R value 0.056	0.56 tog	BS 4745
Reaction to fire Tested with carpet	Bfl-s1	EN 13501-1
VOC emissions	A+	French VOC regs

Antimicrobial · Mildew resistant · Flame retardant · 100% recyclable · Made in the UK

Underfloor heating

Suitable for water-based underfloor heating. Not recommended with electric mat or dry systems.

Nominal values from the manufacturer's technical specification. Roll sizes may vary slightly, within BS EN 14499:2015. Issued November 2026.