TECHNICAL DATASHEET · ACCESSORIES

Laminate Underlay 20dB Sound Reduction

Kite Flooring

A thin, firm 2mm acoustic foam with a built-in vapour barrier, for laminate floors fitted on a floated basis. Sold in 10m² rolls.

2mm	20dB	10m²	0.045
Thickness	Impact sound improvement	Coverage per roll	Thermal resistance (m²K/W)

Why we recommend it

- It's the underlay we recommend with our laminate floors. Thin, but dense, cutting impact sound by up to 20dB.
- Firm underfoot (140 kPa), so laminate click joints stay supported and the floor doesn't feel bouncy or hollow.
- Very low thermal resistance, so heat gets through. Suitable for water-based underfloor heating.
- Built-in PE vapour barrier to keep moisture from the subfloor away from your floor.
- Evens out small dips in the subfloor, up to about 1.4mm.
- A+ VOC rating and recyclable.

When to choose something else

- **Sound-proofing really matters** (e.g. a flat with management company requirements): use our 26dB High performance underlay.
- **Electric underfloor heating:** not recommended by the manufacturer. Water systems only.
- **Engineered wood floors:** use our 23dB Wood and Laminate underlay.
- **Glued-down floors:** this is for floated floors only. Talk to us, it can get technical.

Fitting tip

Tape every joint between rolls. The vapour barrier only works if the seams are sealed.

Underfloor heating

Suitable for water-based systems (BVF guidance, EN 1264-3). For best results, the combined thermal resistance of the laminate and underlay should be below 0.15 m²K/W.

Technical data

Material: closed cell polyolefin foam (grey), laminated with a PE film. Made without CFCs, HCFCs, plasticisers or heavy metals.

Property	Value	Standard
Thickness Measured at 100 Pa pre-load	**2mm (±10%)**	EN 823
Impact sound improvement (IS) Measured under laminate flooring	**20 dB**	ISO 140 / 717
Reflected walking sound (RWS) Reduction vs reference underlay	**30%**	EPLF 021029-5
Compressive strength (CS) At 0.5mm compression	**140 kPa**	EN 826
Compressive creep (CC) Max 0.5mm loss, extrapolated to 10 years	**30 kPa**	EN 1606
Dynamic load (DL) Load cycles at ≤0.5mm deformation, 100 Pa–25 kPa	**200,000**	EN 13793
Punctual conformability (PCv) Evens out subfloor unevenness	**1.4mm**	EN 16354:2018
Resistance to large ball impact (RLB) Tested on underlay + laminate system	**1 m**	EN 13329 Annex F
Thermal resistance (TR) At 24°C mean temperature	**0.045 m²K/W**	EN 12667 / 12664
Water vapour resistance (SD) Valid when joints are taped	**75 m**	EN 12086
Reaction to fire (RTF)	**Efl**	—

UV resistant · Alkali resistant · No water absorption · A+ VOC emission · Recyclable

Tested to the standards listed, with the modifications in EN 16354:2018. Typical values from the manufacturer's technical data. Issued November 2026.