

Technical Information
Silent Energy DS

ID. no. 408 292



Product	High-quality acoustic insulation underlay with integrated vapour barrier, ideal for use with underfloor heating
Product composition	Insulation underlay with integrated moisture barrier based on polyolefin filled with natural stone dust.
Advantages	<ul style="list-style-type: none"> - Perfect for use with underfloor heating thanks to optimum thermal conductivity - Helps to save energy - Excellent indoor sound reduction owing to heavy weight
Installation	<ul style="list-style-type: none"> - Install with the aluminium side up - Easy to cut and dust-free - Fit the ends together tightly; do not overlap or leave gaps - Seal joints using aluminium adhesive tape
Environment	<ul style="list-style-type: none"> - Low in emissions - PVC and bitumen-free - Recyclable

Technical data



BREEAM
International

CEN/TS 16354	Thickness	approx. 1.3 mm
	Punctual conformability (PC)	0.5 mm (Class 1)
	Compressive strength (CS)	> 1000 kPa (Class 3)
	Compressive creep (CC)	> 50 kPa (Class 3)
	Dynamic load (DL)	> 100,000 cycles (Class 2)
	Resistance to large ball (RLB)	-
	Water vapour diffusion resistance (SD)	> 200m
	Thermal resistance (R)	0.004 m ² K/W
	Impact sound reduction (IS)	21 dB
	Reaction to fire (RTF)	E _{fl}
	Suitable for underfloor heating	Yes
	Indoor sound reduction (EPLF Norm WD 021029-5)	34%
	Weight per unit area	2.4 kg/m ²
	Weight	1900 kg/m ³
	Dimensions	7.4 x 0.75 m
	Roll coverage	5.55 m ²
Content/pallet	299.70 m ² (54 rolls)	
Packaging	Individual rolls wrapped in foil with guide lines 54 rolls on a Euro pallet	
Fulfils <u>all</u> minimum technical requirements in accordance with EPLF		Yes
in accordance with MMFA (Group 1)		Yes

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