

TECHNICAL DATA SHEET

AIROLEN®

Airolen® consists of an age-resistant expanded polyethylene foam with closed cells.

The new developed fine cell structure gives excellent compression strength and sound insulation properties. Airolen® is used under parquet and laminated flooring in order to reduce impact sound and to contribute to the levelling of the substructure.



PRODUCT FEATURES

- › Fine cell structure gives outstanding physical properties
- › Efficient impact noise deadening with an improvement measurement ΔL_w of -19 dB
- › Reduction of transmission of footfall and impact noise
- › Light, strong and flexible
- › Ideally suited for floating parquet and laminate floors
- › High resistance to pressure and very good dimensional stability
- › Age resistance > 50 years
- › 100 % recyclable
- › Odour and dust free

PROTECTS THE FLOOR FROM DAMAGE



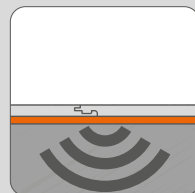
Protection against
loads and use



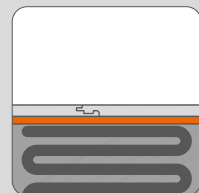
Protection against
falling objects



Reduction of
walking sound



Reduction of
impact sound



Suitability for
underfloor heating

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APPLICATION

- › Various thicknesses and physical construction characteristics
- › Suitable for use in both old and new buildings
- › For floors with or without under-floor heating
- › Installation faster and easier on a clean and dry floor
- › Simply roll out the underlay across the floor and make sure that the joints are butted tightly together, the joints should be sealed with an adhesive tape

PRODUCT RANGE

Type	Width mm	Thickness mm	Length m	Packaging unit m ²
1200x2	1200	2	12,5	15
1200x2	1200	2	25	30
1200x2	1200	2	125	150

TECHNICAL DATA ACCORDING TO EN 16354

Properties	Norm	Unit	Value
Thickness	SP 1116	mm	2
Density	ISO 845	kg/m ³	30
Impact sound reduction (IS)	SS-EN ISO 140-8 SS 02 52 67 SS-EN ISO 717-2	db	19
Compressive Strength (CS)	EN 826 + A.3.7	kPa	20,4
Punctual conformability (PC)	EN ISO 868 + A.3.6	mm	1,67
Water vapour diffusion resistance	SS0212582	m	10,9
Thermal resistance (R)	DIN 52612 ISO 2581	m ² K/W	0,0492

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