

TECHNICAL DATA SHEET

AIROLEN® COMBI PE25

Airolen® Combi PE25 consists of an age-resistant expanded polyethylene foam with closed cells, laminated by heat to a 0,025 mm sheet of polyethylene (HDPE) with a 200 mm overlap. The new developed fine cell structure gives excellent compression strength and sound insulation properties. Airolen Combi PE25 is used under parquet and laminate flooring in order to reduce impact sound from footsteps, to prevent unacceptable influence of moisture, to contribute to the levelling of the substructure. Airolen Combi PE25 is installed with the polyethylene foil facing down. The relative humidity in the concrete floor must be below 95%.



PRODUCT FEATURES

- › High water vapor resistance
- › Fine cell quality gives outstanding physical properties
- › Efficient impact noise deadening – an improvement measurement ΔL_w of -20 dB
- › Light, strong and flexible
- › Age resistance > 50 years
- › Ideally suited for floating parquet and laminate floors
- › High resistance to pressure and very good dimensional stability
- › 100 % recyclable
- › Odour and dust free

PROTECTS THE FLOOR FROM DAMAGE



Protection against **loads and use**



Protection against **falling objects**



Protection against **rising moisture**

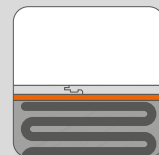
INCREASES LIVING COMFORT



Reduction of **walking sound**



Reduction of **impact sound**



Suitability for **underfloor heating**

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APPLICATION

- › Suitable when a damp proof layer is needed between parquet or laminate flooring and concrete floors with excessive moisture content
- › By installation, no need for any additional vapor barrier
- › To be installed with overlap joints by the use of the protruding PE film at the edge
- › The layer of closed cell PE foam in combination with the PE film ensures a very high ratio of water vapour resistance

PRODUCT RANGE

Type	Width/foam mm	Width/PE-film	Thickness mm	Length m	Packaging unit m ²
1000x2	1000	1200	2	15	15
1000x2	1000	1200	2	50	50

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	20
Compressive Strength (CS)	EN 826 + A.3.7	kPa	> 20
Punctual conformability (PC)	EN ISO 868 + A.3.6	mm	1,5
Water vapour diffusion resistance (SD)	SS0212582	m	> 42,5
Thermal resistance (R)	DIN 52612 ISO 2581	m ² K/W	0,04

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