

TECHNICAL DATA SHEET

AIROLEN® COMBI PE25

Airolen® Combi PE25 consists of a closed-cell expanded polyethylene foam laminated by heat to a 0.025 mm polyethylene (HDPE) film with a 200 mm overlap. The fine-cell structure provides compressive strength and sound insulation properties. Airolen® Combi PE25 is used under parquet and laminate flooring to reduce impact sound from footsteps, help protect the flooring system against moisture, and contribute to levelling of the subfloor. Airolen® Combi PE25 is installed with the polyethylene film facing down. The relative humidity in the concrete floor must be below 95%.



PRODUCT FEATURES

- › High water vapour resistance
- › Fine cell structure providing excellent physical properties
- › Impact sound reduction performance of $\Delta L_w = 20 \text{ dB}^*$
- › Light, strong and flexible
- › Designed for long-term use*
- › Suitable for floating parquet and laminate flooring
- › High compressive resistance and dimensional stability
- › PE foam can be mechanically recycled where suitable collection and recycling systems are available**

* Performance depends on the installation, application and service conditions.

** Recycling possibilities depend on local collection, sorting and recycling infrastructure.

PROTECTS THE FLOOR FROM DAMAGE



Protection against **loads and use**



Protection against **falling objects**



Protection against **rising moisture**

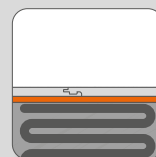
INCREASES LIVING COMFORT



Reduction of **walking sound**



Reduction of **impact sound**



Suitability for **underfloor heating**

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APPLICATION

- › Suitable when a vapour barrier layer is required between parquet or laminate flooring and concrete floors with elevated moisture levels
- › When installed correctly, no additional vapour barrier is required
- › Installed with overlapping joints using the protruding PE film at the edge
- › The closed-cell PE foam layer in combination with the PE film provides high 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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