

## TECHNICAL DATA SHEET

# AIROLEN® COMBI

Airolen® Combi consists of an age-resistant expanded polyethylene foam with closed cells, laminated by heat to a 0,1 mm sheet of polyethylene with a 200mm overlap. The new developed fine cell structure gives excellent compression strength and sound insulation properties. Airolen® Combi is used under parquet and laminated flooring in order to reduce impact sound from footstep, to prevent unacceptable influence of moisture, to contribute to the levelling of the substructure.



## PRODUCT FEATURES

- › High water vapor resistance
- › Fine cell quality gives outstanding physical properties
- › Efficient impact noise deadening – an improvement measurement  $\Delta L_w$  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**

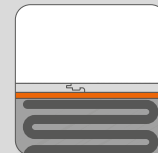
### INCREASES LIVING COMFORT



Reduction of **walking sound**



Reduction of **impact sound**



Suitability for **underfloor heating**

## TECHNICAL DATA SHEET

# AIROLEN® COMBI

### 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 <sup>2</sup>
1200x2	1200	1400	2	12,5	15
1200x2	1200	1400	2	50	60

### TECHNICAL DATA ACCORDING TO EN 16354

Properties	Norm	Unit	Value
Thickness	SP 1116	mm	2
Density	ISO 845	kg/m <sup>3</sup>	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	> 75
Thermal resistance (R)	DIN 52612 ISO 2581	m <sup>2</sup> K/W	0,04

NMC reserves the right to update the product line or its technical features to the state-of-the-art technology anytime and without previous announcement. All given information is to the best of our knowledge. If you have any questions concerning technical details please contact the NMC information service. Any partial reproduction or reprint shall require our explicit approval.

