

Technical data sheet

ProVent (PE 2.3+)

Material	PE-foam
	35 kg/m ³
	2.3 mm
	1.00 m
	15 m
	15 m ²
Art.-Nr.	41100506



		Anforderungen Requirements Exigences	EPLF		Wert Value Valeur
			Mindestanforderung Minimum requirement Exigence minimale	Erhöhte Anforderung Advanced requirement Demande augmentée	
Konstruktion Construction		Eignung für Fußbodenheizung Suitable for floor heating L'aptitude pour le chauffage au sol	R	≤ 0.15 m ² K/W Gesamtaufbau Overall structure Structure globale	0,040 m² K/W
		Wärme-Kälte-Isolierung Insulation against heat and cold Isolation du chaud et du froid	R	≥ 0.075 m ² K/W	
		Ausgleich von Unebenheiten Compensation for unevennesses Compensation des légères irrégularités	PC	≥ 0.50 mm	1,0 mm
		Feuchteschutz Moisture protection Protection contre l'humidité	SD	≥ 75 m	> 100 m
Nutzung Advantages Utilisation		Dynamische Beanspruchung Dynamic Load Contrainte dynamique	DL25	≥ 10,000 cycles ≥ 100,000 cycles	-
		Statische Beanspruchung Static load Contrainte statique	CS	≥ 10 kPa ≥ 60 kPa	~ 9 kPa
		Statische Dauerbeanspruchung Sustained static load Contrainte statique permanente	CC	≥ 2 kPa ≥ 20 kPa	-
		Stoßbeanspruchung Impact resistance Contrainte due aux chocs	RLB	≥ 50 cm ≥ 120 cm	-
Akustik Acoustic		Gehschallreduzierung Walking noise reduction Réduction de bruit aérien	RWS	Wert in Entwicklung Value in development Valeur en développement	22 %[†]
		Trittschallverbesserung Impact sound reduction Réduction de bruit d'impacts	IS	≥ 14 dB ≥ 18 dB	22 dB



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Product description

The "ProVent" was designed for floating installation under laminate and parquet. The impact sound insulation is available in handy rolls. It can be laid quickly and easily.

Product structure

A combination of closed cell LD polyethylene cell foam (LDPE foam) and HD-Polyethylene foil (HDPE foil). The LDPE foam and the HDPE foil are laminated together using heat. The lower surface of the cell foam has waves, which form an air channel system. The HDPE foil is available in different colours. The material is available in rolls and the HDPE foil overlaps by 20 cm.

Ecology

The product is ecologically safe.
This product can be recycled and can be disposed of with the household waste.

Processing

Before use, approval from the floor covering and adhesive manufacturer must be obtained. For further information regarding processing read the applicable published instructions from the respective manufacturer.

Easy cutting with a cutter knife. Upon final installation, every covering must be individually checked. Installation recommendations must be made by the respective sales partner.

Occupational health and safety

The product does not require any special occupational safety measures. When installing the floor coverings, it is essential that the manufacturer's protection specifications are observed.

Operating principle

"ProVent" uses the differences in temperature and pressure in the floor area and in the room. Moist air is expelled from the air channels and replaced with drier air. The constant exchange of air in the space between the floor and the "ProVent" underlayer is reinforced by slightly vertical movements of the floor, which are released on walking. This feature has been proven to dispel moisture in and on the floor and reduces the risk of mould formation. ProVent protects parquet and laminate ideally against moisture rising from the floor. It is therefore unnecessary to use an additional moisture barrier foil.

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Technical specifications

	Number of waves per metre	177 ($\pm 5\%$)
d	Thickness of the LDPE foam layer 2.3 mm	EN 823 + system A on FprCEN/TS 16354:2011, with preload of 100 Pa, 15 % Tolerance
d	Thickness of the HDPE foil 0.02 mm	
	Thickness of the LDPE foam layer 35 kg/m ³	
	Thickness of the HDPE foil 950 kg/m ³	
AW	Surface weight 83 g/m ² ($\pm 5\%$)	
l	Length 15 m	
w	Width 1 m	
R	Insulation against heat and cold 0.040 m ² K/W	EN 12667 (suitable for warm water underfloor heating)
PC	Compensation for unevenness ~ 1.00 mm	
SD	Moisture protection > 100 m	
CS	Static load ~ 9 kPa	DIN EN 826
RWS	Walking noise reduction 22 %	IHD
IS	Impact noise reduction 22 dB	EN ISO 140-8:1998
RTF	Fire classification Efl	DIN EN 13501-1

Version 03/2022

The above figures are based on the current knowledge level and state of the art technological development.

We do not claim that the following information is complete. Technical data subject to change.

All previous product data sheets cease to be valid.