

TECHNICAL DATASHEET

Product / Brand name: Kronoswiss ProVent[™] - multifunctional flooring underlay

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The *micropumping*[™] - technology implemented in **Kronoswiss ProVent**[™] demonstrably ventilates the area between subfloor and Kronoswiss ProVent underlay and therefore supports the reduction of moisture in the floor base and on the top of it. This feature essentially decreases the risk of mould origin. At the same time **Kronoswiss ProVent**[™] achieves the demanded protection of the flooring against moisture. **Kronoswiss ProVent**[™] is also an excellent impact sound insulation.

Kronoswiss ProVent[™] stands for: **VENTILATION, moisture barrier and impact sound insulation.**

Description:

A combination of LDPE foam base and HDPE film. LDPE foam and HDPE film is laminated together by heat. The main application: a floating floor underlay for parquet (engineered floors) and laminate.

- Kronoswiss ProVent provides a full protection of parquet or laminate against moisture, and no additional vapour barrier is needed.
- Kronoswiss ProVent may be used for heated floors.
- Kronoswiss ProVent belongs to the M1 low emission class for building materials (a statement by Rakennustieto, Finnish Building Information Foundation – RTS, 23.09.2009).
- Kronoswiss ProVent is a CE marked product (in conformity with the essential requirements of the applicable EC directives).

Main properties :

		value	unit	standard / system
thickness	PE foam sheet	n. 3.0	mm	
	HDPE film	0.020	mm	
roll width	PE foam sheet	1.0	m	
	HDPE film	+0.20	m	
roll length		20.0	m	
density	PE foam sheet	25 +2	kg/m ³	
	HDPE film	0,94	g/cm ³	
	combination	n. 70	g/m ²	

General notice

All in this datasheet mentioned qualities and technical values represent our best information and experiences standard. The values can not be used as absolute numbers. It is up to the final user to make sure, that the product is good for it's planned use. The same limitations are for our given technical and practical advices.

reduction of impact sound pressure level (with 7mm laminate)			
ΔL_{in} (sound direction up)	9	dB	
ΔL_w (sound direction down)	20 1)	dB	EN ISO 140-8:1998
impact sound pressure level $L'_{n,w}$ (hollow core slab 300 / parquet underlay)	51 1)	dB	EN ISO 717-2:1996
water vapour permeance (W)	$<11 \times 10^{-12}$ 1)	kg / (m ² x s x Pa)	
water vapour permeability (δ)	$<4 \times 10^{-14}$ 1)	kg / (m x s x Pa)	
thermal resistance R	0.070 1)	m ² K/W	EN 12667
air movements under flooring (under ProVent)	certified 1)		
colour	red HDPE, white foam		
weight of the roll (1.0 x 20m roll)	ca. 1.8	kg	

1) based on a VTT test result (VTT is the Technical Research Center of Finland, an organization of independent experts). Reports are available in Finnish and English.

Environment:

ProVentTM is produced from pure polyethylene raw material, which does not include any heavy metal parts and is good for any recycling. ProVentTM and HDPE – film is neutral to the ground-/ drinking water and can be used as “second class energy source”.

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