

VISCOH®

DEINE WELT EIN STÜCK LEISER



Made in Germany



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AIR

High-performance underlay for parquet and laminate

High-performance underlay for floating parquet and laminate floors. It offers highest impact and walking sound insulation values and meets all increased EPLF requirements. 30-year warranty, approved by building authorities, suitable for underfloor heating.

30 %

Reflected walking sound



Reduction in sound emissions in the room, even when walked on

20 dB

Impact sound reduction



Reduction of sound emission in underlying or adjacent rooms.

1200 mm

Impact resistance



Protects the surface from falling objects.

Very good

Protection under load



Protection against dynamic, permanent and temporary stress due to foot traffic and loading.

Designation	Item no.	Thickness mm	Length m	Width cm	Packaging		EAN (GTIN)
					Box contents	Pallet contents	
AIR	10100	2,0	12,5	100	6 rolls = 75 m ²	8 boxes = 600 m ²	4260404430018

Material:	Physically cross-linked, closed-cell polyolefin foam.
Areas for use:	High-performance product for use with floating installation of parquet, cork and laminate floors and LVT coverings with HDF support.
Quality:	Optimized for maximum walking and impact sound insulation, excellent compressive strength, dynamic loadability and extreme longevity. Very good shape-adaptability for punctual compensation of unevenness in the floor. With integrated moisture protection against rising residual moisture. Conform to higher EPLF/ FEP requirements.
Environment:	Neither the material nor contains dissolver and another ozone-depleting substances. The renewable raw materials which are used for this product are not in competition with food farming. This product is produced without flexibilizer, asbestos, formaldehyde, halogen as well as heavy metal and comply the VOC-rules of action class A+, as well as AGBB-schema. Contains no CFCs, can be disposed of with normal household waste, recyclable, non-polluting to water, not harmful toxicologically, waste key acc. to German Ordinance on Waste Management (AVV): 170203.
Chemical resistance:	Resistant to water, most household cleaners, salt solutions, acids and alkalis, partially resistant to organic solvents and hydrocarbons.
Storage:	Do not store the insulation underlay outdoors, protect it from sunlight. Avoid electrostatic charging, no open flames, no smoking!
approved by DIBt:	Z-158.10-173

Requirement EPLF**	Property	Benefits for the user	Enhanced requirement	Elevated requirement	AIR
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Acoustic requirements

Reflected walking sound	RWS _{Lam} *	Reduction in sound emissions in the room, even when walked on	-	-	30 %
Radiated walking sound	RWS _{Lam} *	Noise emissions generated inside the room itself when walking on the flooring	≤ 110	≤ 110	81.8 sone
Impact sound reduction	IS _{Lam} *	Reduction in impact sound in adjacent rooms and rooms underneath	≥ 14 dB	≥ 18 dB	20 dB

Usage requirements

Dynamic load	DL ₂₅	Retains essential properties, provides mechanical protection	≥ 10'000 cycles	≥ 100'000 cycles	≥ 1 Mio. cycles
Compressive creep	CC	Long-term retention of essential properties (10 years)	≥ 2 kPa	≥ 20 kPa	≥ 40 kPa
Compressive strength	CS	Protects the joining system, protects joints from rupture	≥ 10 kPa	≥ 60 kPa	≥ 140 kPa
Impact resistance	RLB*	Protects the surface from falling objects	≥ 500 mm	≥ 1200 mm	1200 mm

Structural requirements

Thermal resistance	R _{λ,B}	Suitable for underfloor heating (H) or cooling (C) below the underlay	≤ 0.15 m ² K/W	≤ 0.15 m ² K/W	0.053 m ² K/W
Punctually conformability	PC	Prevents sound bridges, provides mechanical protection	≥ 0.5 mm	≥ 0.5 mm	≥ 1.4 mm
Moisture	SD	Protects against damage from moisture	≥ 75 m	≥ 75 m	-
Absorption of water	WA	Encourages growth of mildew	-	-	< 1 Vol%
Fire behavior	RTF	Fire protection	DIN EN 16354	DIN EN 16354	E _{f1}

* in this case, the entire floor covering system is tested and assessed. ** EPLF: Association of European Producers of Laminate Flooring

All tests have been conducted in accordance with the specified standards carried out taking into account the adjustments in accordance with document CEN TS 16354. Impact and walking sound insulation values have been tested according to the standards. In practice, these values may differ due to individual construction methods and construction products as well as their arrangement.

According to the recommendations of the Bundesverbandes Flächenheizungen und Flächenkühlungen e.V. (BVF) and EN 1264-3 is the Underlay suitable for use on underfloor heating systems. The total heat transfer resistance of max. 0.15 m² K/W must be observed. The specified value for the water vapor diffusion behavior (SD value) is only valid for the underlay, and only if the roller joints are carefully sealed with suitable adhesive tape.
Misprints and mistakes reserved 05-2023



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