PROBASE EPS 1.6 Aqua-Stop

PROLINE 124

Item no. 93613 / 93614

Underlay material for the floating installation of laminate, parquet and design/vinyl flooring with HDF carrier

PROLINE
Proline Systems GmbH
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D-56154 Boppard
Werk 1
PROBASE EPS
Z-158.10-3
Brandverhalten: Klasse E_n
(nach DIN EN 13501-1 auf Untergründen gemäß Zulassung)
Emissionsgeprüftes Bauprodukt nach DIBt-Grundsätzen

Product description:

Made of expanded polystyrene foam with vapour barrier for reducing walking noise and impact sound. Used in rooms with normal traffic and higher requirements, particularly suited for underfloor heating.

Product advantages:

- Ideally suited for underfloor heating
- Compensation for unevenness
- Integrated vapour barrier
- Recyclable

Performance data:

IS	RWS	DL	CC	CS	RLB	R_λ	PC	SD
≤ 20 dB	≤ 10%	≥ 100,000 Cycles	≥ 5 kPa	≥ 60 kPa	≥ 900 mm	~ 0.040 m² K/W	≤ 1.0 mm	≥ 100 m

Description	Parameters	Values	Unit	Standard
Reduction in impact sound	IS IS_{Lam} IS_{HDF}	≤ 20 ≤ 18 ≤ 18	dB	CEN TS 16354
Reduction in walking noise	RWS	≤ 10	%	Internal
Dynamic compressive resistance	DL_{25}	≥ 100,000	Cycles	CEN TS 16354
Continuous compressive resistance	CC	≥ 5	kPa	CEN TS 16354
Temporary compressive resistance	CS	~ 60	kPa	CEN TS 16354
Protection from falling objects	RLB	≥ 900	mm	CEN TS 16354
Heat transfer resistance / Suitable for underfloor heating*	R_λ	~ 0.040	m² K/W	CEN TS 16354
Protection against unevenness	PC	≤ 1.0	mm	CEN TS 16354
Protection against moisture	SD	≥ 100	m	

* Data on all system components (heating system, underlay, floor covering or the like) are necessary in order to determine the actual suitability for use in an underfloor heating system. According to recommendation of the BVF, the overall floor structure is not to exceed 0.15 m² K/W.

Meets the minimum requirements of the Association of European Producers of Laminate Flooring (EPLF e.V.) for underlay materials under laminate floorings. In practice, the listed requirements are also used for floating installation of multi-layer parquet. Meets the minimum requirements of the Multilayer Modular Flooring Association (MMFA e.V.) for underlay materials under floor coverings with HDF carrier (Class 1).

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Field of application:

Multi-layer parquet (in accordance with EN 13489, floating installation possible)	Yes
Laminate floorings (in accordance with EN 13329, 15468, 14978)	Yes
MMFA Class 1 floor coverings (e.g. vinyl, cork floorings with HDF carrier starting at 6 mm thickness)	Yes
MMFA Class 2/3 floor coverings (e.g. LVT, vinyl, design floorings with plastic carrier starting at 4 mm thickness)	No

Specifications:

Material	Expanded polystyrene foam with integrated vapour barrier		
		Tolerance	Standard
Length	12.5 m / 25 m	+ 5% / -0%	CEN/TS 16354
Width	1 m	+ 2.5% / -1%	CEN/TS 16354
Thickness	1.6 mm	+/-15%	CEN/TS 16354
Fire rating	E_{fl}		EN 13501
Heat resistance	< 60° C		S WN
Water absorption	≤ 1%		EN 12087
Delivery form	Rolls: Size: 12.5 m x 1 m, Item no.: 93613 Size: 25 m x 1 m, Item no.: 93614		

Storage and transportation:

Store and transport cool and dry, free of superimposed loads, protected from direct sunlight and contamination. The storage period under these conditions is 24 months.

Environmental protection and disposal:

Recycling	100% recyclable
Disposal	In common household quantities in household waste
Waste code (EAK No.)	170604

Supplementary products:

PROBASE aluminium/PET joint sealing tape

Preparation/assessment of substrate:

Substrate must be level, smooth, clean, dry and resistant to bending and pressure in accordance with DIN 18365.
The substrate to be covered must not contain any materials such as softeners, solvents or other diffusing materials.
Unevenness and non-sealed surfaces must be properly treated e.g. by smoothing or levelling to make them even and ready for covering.

Laying/working:

Clean the substrate thoroughly with a broom or vacuum cleaner to get rid of any loose dirt particles that may be present.
It is preferable to lay out the underlay material at a 90° angle to the subsequent installation direction of the surface layer, with the glossy vapour barrier side facing up.
Lay out the underlay material flush and butted tight to the wall.
Use PROBASE aluminium/PET joint sealing tape as masking to create a vapour barrier at areas where the strips meet as well as where the strips running along the wall (including those running up to installation parts) are pulled up a higher surface.
(Half on the underlay strip and half on the wall.)
Lay the floor coverings over the completely laid out insulation underlay according to manufacturer specifications.

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Important information:

- The substrates or substrate designs must match the household moisture level. Residual moisture content must not exceed the CM% information found in relevant rules and regulations.
- The information regarding impact and walking noise reduction has been checked in accordance with the described standard designs. The individual construction method, the construction products used and the layout of these products may result in varying values at the installation site.
- Installation on ceramic tile, linoleum or wood flooring is possible only in limited capacity, as it may lead to traces in the substrate. Please make sure to pay attention to the specifications from the flooring manufacturer.

All information, references, instructions, basic engineering principles, regulations, standards and expertise are based on German and largely equivalent European regulations and training standards, irrespective of additional country-specific supplements and amendments.
All our specifications are based on our experience and careful analysis. We are unable to examine or influence the diversity of associated materials used and the various construction site and processing conditions in detail. Fulfilment of an imposed work order and verifiable functionality of the object therefore depends on the observation of current VOB rules and the recognised rules of technology.
Our details do not absolve the accountable planner's and fitter's obligation to assess - on their own authority - the building conditions and practicability of the products. In case of doubt, carry out your own tests or seek technical application advice. Please refer to the laying and processing guidelines of the floor covering manufacturers or the manufacturers of associated products.
All product data sheets previously published are superseded by this product data sheet once published.

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