

Technical Datasheet

Product	Acoustic underlay, 1.0mm
Product name:	PUR 1.0 ORCA
Customer Code:	EX PUR1.0_ORCA
EAN:	4005705006810



Area of use:

Heavy-duty underlay for use with floating design flooring with the O.R.C.A. Moisture Defense Technology. Not suitable for parquet floors, tile or natural stone floorings which are fully glued to the sub-floor.

Material:	PUM mineral fillers and polyurethane resins
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1. Dimensions:

Thickness	(d)	1,0 mm	+/- 0,10 mm	DIN EN 16354:2019-01
Length	(l)	10000 mm	+/- 15 mm	DIN EN 16354:2019-01
Width	(w)	1000 mm	+/- 1 mm	DIN EN 16354:2019-01

2. Technische Daten

<u>Substrate / Structure</u>				
Thermal resistance Heat insulation	RA	0,01 m ² K/W		DIN EN 16354:2019-01
Suitable for underfloor heating		Yes, Heat transfer resistance should not exceed a value of 0.15 m ² K/W in the entire structure (i.e. underlay and top layer).		
Uneven areas	PC	0,2 mm		DIN EN 16354:2019-01
Moisture	SD	n.a.		DIN EN 16354:2019-01
<u>Use:</u>				
Dynamic load	DL ₂₅	>3 000 000 Zyklen		DIN EN 16354:2019-01
Static load	CS	>530 kPa		inspired by DIN EN 826 (250 Pa, 0,5 mm)
Sustained static load	CC	> 95 kPa		DIN EN 16354:2019-01
Impact resistance	RLB	n.n.gem.		DIN EN 16354:2019-01
<u>Acoustics</u>				
Impact sound reduction	IS _{Lam}	~14 dB	+/- 2dB	DIN EN 16251-1 (measurements under ORCA flooring 8 mm)
Reflected walking sound emission	RWS	~ 27 %	+/- 2%	EPLF WD 021029-5 (measurements under ORCA flooring 8 mm)

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3. Nature:

The underlay is CFC free, can be disposed of in the household waste without problems, is recyclable, does not pollute water and is toxicologically safe. Its base material is compatible with bitumen, PVC, linoleum, cement, synthetic and natural resins as well as magnesite.

4. Special instructions:

If stored for a lengthy period, the underlay should be stored in a cool and dry place and protected against UV radiation. All details on this page correspond to current knowledge and provide information about our products as well as their possible uses. They do not assure any specific product properties or suitability of the products for a specific use. For this reason, no legal liabilities can be deduced from these details. Subject to technical changes; errors and omissions excepted.

5. Laying:

Before laying, ensure that the sub-floor is properly prepared according to the standards; in particular, ensure it is flat, clean, dry, free of cracks, tension and pressure resistant and satisfies the requirements in accordance with the trade and guild guidelines. Use of an additional vapour barrier is essential to protect the sub-floor (only on mineral floor, e. g. screed). The joints of the individual lengths of underlay must be sealed using adhesive tape (accessory). When laying the flooring, care must be taken to ensure that the insulating underlay joints do not come up against the floor plank joints. The underlays should ideally be laid diagonally to the flooring. The acoustic underlay is rolled out on the floor.