

Technical datasheet Boengard

Material: high density PE foam.

Application: universal underlay for all floating parquet and laminate floors including moisture protection, overlapping and self-adhesive strips

Environmental: there are neither solvents nor other ozone-depleting substances contained. The product is free of plasticizers, asbestos, formaldehyde, halogens and heavy metals and meets the VOC guidelines AFSSET A + and the AgBB scheme. 100% recyclable PE, toxicological harmless. Waste key: 170203.

product no.	thickness	length	width	packaging			GTIN (EAN)
	mm	m	cm	role content	box content	pallet content	
15300	2 (± 15%)	25 (+2/-0m)	100 (+2/-0%)	25 m ²	12 rolls = 300 m ²	2 boxes = 600 m ²	4260 4044 30537

	Requirement EPLF	KPI	Benefits for the user	Minimum Requirement	Increased Requirement	Boengard
Acoustics	Reflected walking sound emission *	RWS	Reduction of the noise emission in the room even when walking			10%
	Impact sound reduction *	IS _{Lam}	Reduksjon av støtlyd i nedre og tilstøtende rom	≥ 14 dB	≥ 18 dB	20 dB
Use	Dynamic load	DL ₂₅	Maintaining essential properties, mechanical protection	≥ 10'000 cycles	≥ 100'000 cycles	≥ 50'000 cycles
	Sustained static load	CC	Permanent preservation of essential properties (ten years)	≥ 2 kPa	≥ 20 kPa	≥ 5 kPa
	Static load	CS	Protection of the connection system, Protection against joint breakage	≥ 10 kPa	≥ 60 kPa	60 kPa
	Slagmotstand *	RLB	Protection of the surface	≥ 500 mm	≥ 1200 mm	k. A.
Substrate/ Structure	Thermal resistance *	Rλ, B	Suitable for underfloor heating	H: ≤ 0.15 m ² K/W	H: ≤ 0.15 m ² K/W	0,038 m ² K/W
	Uneven areas	PC	Mechanical protection; prevention of	≥ 0.5mm	≥ 0.5mm	≥ 1.4mm
	Moisture	SD	Prevention of moisture damage	≥ 75 m	≥ 75 m	100 m
	water absorption	WA	Prevention of mold growth			< 1 Vol%
	Fire behavior	RTF				E _{fl}
approved by building authorities						Z-158.10-79

* The entire floor system is being tested.

All values were determined and tested according to EN16354. Impact and footfall sound insulation values have been tested in accordance with 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 Federal Association Surface Heating and Surface Cooling eV. (BVF) and EN 1264-3 the pad is suitable for use on underfloor heating systems. It is the total thermal resistance of max. 0.15 m² K / W observed. The indicated values for the water vapor diffusion behavior (SD) values is only valid for the underlay, and only if the role edges are carefully connected to a suitable adhesive tape.

Chemical resistance:

- resistant to water, most household cleaners, salt solutions, acids and alkalis
- partially resistant to organic solvents and hydrocarbons.

Storage conditions:

- no outdoor storage, protect from direct sunlight
- avoid electrostatic charging, no open flames, no smoking!