Underlay material

Product data sheet and technical information

ter Hürne

Stand: July 2018

PE foam with aluminium lamination, 2mm Articleno.: 1101060265

Non-crosslinked PE lightweight foam for floating installation

REQUIREMENT	Parameter		Description	Benefits for users	EPLF		ter Hürne Underlay material
					Minimum requirement	Higher requirement	
REQUIREMENTS BASED ON THE SUBSTRATE/ STRUCTURE	THERMAL REQUIREMENTS **R_λ** **$R_{\lambda,B}$**		Thermal insulation: Low thermal insulation results in suitability for underfloor heating (H) or floor cooling (C)	Higher floor temperature and foot comfort with lower energy consumption. Short heating/cooling times, savings in heating/cooling energy	R ≥ 0,075 m²K/W H: R ≤ 0,15 m²K/W C: R ≤ 0,10 m²K/W		0,050 m²K/W
	BUMP-COMPENSATION **PC**		Levelling out localised unevenness	Avoidance of sound bridges, mechanical protection and stabilisation of joints and seams	≥ 0,5 mm		1,55 mm
	MOISTURE-PROTECTION **SD**		Protection against residual moisture in the substrate	Prevention of moisture damage	≥ 75 m		> 75 m
REQUIREMENT BASED ON THE USE	DYNAMIC LOAD **DL_{25}**		Sustained load generated by walking on floor, etc.	Mechanical protection; sustained retention of essential properties	≥ 10.000 cycles	≥ 100.000 cycles	10.000 cycles
	STATIC LOAD **CS**		Compressive stress at a defined compression strength	Protection of locking system and against cracking	≥ 10 kPa	≥ 60 kPa	≥ 10 kPa
	SUSTAINED STATIC LOAD **CC**		Sustained load generated by furniture, etc.	Sustained retention of essential properties	≥ 2 kPa	≥ 20 kPa	≥ 2 kPa
	IMPACT RESISTANCE **RLB**		Load generated by force of impact	Protection of surface	≥ 50 cm	≥ 120 cm	150 cm
	FLAMMABILITY CLASSIFICATION **RTF**		reaction to fire	The fire classes are divided into different classes (from easily flammable to hardly flammable)			
ACOUSTICS	IMPACT SOUND REDUCTION **IS_{LAM}**		Reduction of structureborne noise transmission	Noise reduction inside neighboring rooms when walking on the flooring	≥ 14 dB	≥ 18 dB	18 dB
	REFLECTED WALKING SOUND EMISSION **RWS**		Reflected walking sound emitted	Noise emissions generated inside the room itself when walking on the flooring	in prep. %		3%
DIMENSIONS	Thickness						2 mm
	Product area weight						1,05 kg
	Roll length x Roll width						15.000 x 1.000 mm