

Underlay material











Product data sheet and technical information

ter Hürne

Stand: Juli 2018

PE foam with aluminium lamination, 2mm Articl.no.: 1101060266

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_A $R_{A,B}$	 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	$R \geq 0,075 \text{ m}^2\text{K/W}$ $H: R \leq 0,15 \text{ m}^2\text{K/W}$ $C: R \leq 0,10 \text{ m}^2\text{K/W}$		0,050 m ² K/W
	BUMP-COMPENSATION PC	 Levelling out localised unevenness	Avoidance of sound bridges, mechanical protection and stabilisation of joints and seams	$\geq 0,5 \text{ mm}$		1,3 mm
	MOISTURE-PROTECTION SD	 Protection against residual moisture in the substrate	Prevention of moisture damage	$\geq 75 \text{ m}$		> 104 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	$\geq 10.000 \text{ cycles}$	$\geq 100.000 \text{ cycles}$	10.000 cycles
	STATIC LOAD CS	 Compressive stress at a defined compression strength	Protection of locking system and against cracking	$\geq 10 \text{ kPa}$	$\geq 60 \text{ kPa}$	21 kPa
	SUSTAINED STATIC LOAD CC	 Sustained load generated by furniture, etc.	Sustained retention of essential properties	$\geq 2 \text{ kPa}$	$\geq 20 \text{ kPa}$	> 2 kPa
	IMPACT RESISTANCE RLB	 Load generated by force of impact	Protection of surface	$\geq 50 \text{ cm}$	$\geq 120 \text{ cm}$	180 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	$\geq 14 \text{ dB}$	$\geq 18 \text{ dB}$	19 dB
	REFLECTED WALKING SOUND EMISSION RWS	 Reflected walking sound emitted	Noise emissions generated inside the room itself when walking on the flooring	in prep. %		5%
DIMENSIONS	Thickness					2 mm
	Product area weight					3,6 kg
	Roll length x Roll width					15.000 x 1.000 mm

