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Installation insulating board, 5 mm    Articl.no.: 45515
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Footfall sound and impact sound mat, consisting of XPS insulation boards in folded format for floating installation.
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REQUIREMENT	Parameter		Description	Benefits for users	EPLF		ter Hürne Underlay material
					Minimum requirement	Higher requirement	
REQUIREMENTS BASED ON THE SUBSTRATE/ STRUCTURE	THERMAL RESISTANCE <b>R</b>		Heat insulation Suitable for underfloor heating (H) or cooling (C )	Higher floor temperature and comfort underfoot Less time required for heating up/cooling off; energy savings	R ≥ 0,075m²K/W H: R ≤ 0,15 m²K/W C: R ≤ 0,10 m²K/W		0,143 m²K/W
	PROTECTION AGAINST UNEVENNESS <b>PC</b>		Leveling out of localized uneven areas	Mechanical protection; prevention of sound bridges	≥ 0,5 mm		bis zu 4 mm
	PROTECTION AGAINST MOISTURE <b>SD</b>		Protection against residual moisture in substrate	Prevention of moisture damage	≥ 75 m		k.a
REQUIREMENT BASED ON THE USE	DYNAMIC LOAD <b>DL</b>		Sustained load generated by walking on floor, etc.	Mechanical protection; sustained retention of essential properties	³ 10.000 cycles	³ 100.000 cycles	³ 250.000 cycles
	STATIC LOAD <b>CS</b>		Compressive stress at a defined compression strength	Protection of locking system and against cracking	≥ 10 kPa	≥ 60 kPa	≥ 90 kPa
	SUSTAINED STATIC LOAD <b>CC</b>		Sustained load generated by furniture, etc.	Sustained retention of essential properties	≥ 2 kPa	≥ 20 kPa	≥ 25 kPa
	IMPACT RESISTANCE <b>RLB</b>		Load generated by force of impact	Protection of surface	≥ 50 cm	≥ 120 cm	≥ 140 cm
	FLAMMABILITY CLASSIFICATION <b>RTF</b>		reaction to fire				Efl
ACOUSTICS	IMPACT SOUND REDUCTION <b>IS</b>		Reduction of structureborne noise transmission	Noise reduction inside neighboring rooms when walking on the flooring	≥ 14 dB	≥ 18 dB	up to 22dB
	REFLECTED WALKING SOUND EMISSION <b>RWS</b>		Reflected walking sound emitted	Noise emissions generated inside the room itself when walking on the flooring	in prep. %		in prep. %
DIMENSIONS	Thickness						5,00mm +/- 0,5mm
	Product area weight						k.a
	Roll length x Roll width						625 x 80 cm

