Underlay material

Product data sheet and technical information

ter Hürne

Stand: December 2017

AkusTec mat for Luxury Vinyl Tiles Pro, 1,8mm , Article-No. 1101060092

Underlay for glue-down LVT floors for floating installation and impact sound insulation with one-sided adhesive film and fleece lining

Requirement	Parameter	Description	Benefits for users	EPLF		ter Hürne Unterlagsmaterial
				Minimum requirement	Higher requirement	
Requirements based on the substrate / structure	THERMAL RESISTANCE **R_λ** **$R_{\lambda,B}$**	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 ≥ 0,075 m²K/W H: R ≤ 0,15 m²K/W C: R ≤ 0,10 m²K/W		0,01 m²K/W
	PROTECTION AGAINST UNEVENNESS **PC**	Leveling out of localized uneven areas	Mechanical protection; prevention of sound bridges	≥ 0,5 mm		~ 0,55 mm
	PROTECTION AGAINST MOISTURE **SD**	Protection against residual moisture in substrate	Prevention of moisture damage	≥ 75 m		n.a
Requirements based on 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	> 100.000 cycles
	STATIC LOAD **CS**	Compressive stress at a defined compression strength	Protection of locking system and against cracking	≥ 10 kPa	≥ 60 kPa	> 450 kPa
	SUSTAINED STATIC LOAD **CC**	Sustained load generated by furniture, etc.	Sustained retention of essential properties	≥ 2 kPa	≥ 20 kPa	> 55 kPa
	IMPACT RESISTANCE **RLB**	Load generated by force of impact	Protection of surface	≥ 50 cm	≥ 120 cm	~ 750 mm
	FLAMMABILITY CLASSIFICATION **RTF**	reaction to fire				Bfl-s1
ACOUSTICS	IMPACT SOUND REDUCTION **IS_{Lam}**	Reduction of structure-borne noise transmission	Noise reduction inside neighboring rooms when walking on the flooring	≥ 14 dB	≥ 18 dB	bis zu 15 dB
	REFLECTED WALKING SOUND EMISSION **RWS**	Reflected walking sound emitted	Noise emissions generated inside the room itself when walking on the flooring	In Vorb. %		bis zu 6 %
DIMENSIONS	Thickness					1,8mm
	quantity and weight/ Roll					6,5 m² = 16,9kg
	Roll length x Roll width					6.500 x 1.000 mm