

Underlay material

Product data sheet and technical information

ter Hürne

Stand: Januar 2021

AkusTec football and acoustic mat 2mm, Alu Article No.: 1101060292

Footfall and acoustic sound insulation mat, consists of a metallized PET-foil, heavy PUR layer with mineral fillers with white fleece lining on a roll

Requirement	Parameter	Description	Benefits for users	EPLF		ter Hürne Underlay material
				Minimum requirement	Higher requirement	
Requirements based on the substrate/structure	THERMAL RESISTANCE R	 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	$\leq 0,15 \text{ m}^2\text{KW}$ H: $\leq 0,15 \text{ m}^2\text{KW}$ C: $\leq 0,10 \text{ m}^2\text{KW}$		0,01 m ² KW
	PROTECTION AGAINST UNEVENNESS PC	 Leveling out of localized uneven areas	Mechanical protection; prevention of sound bridges	$\geq 0,5 \text{ mm}$		~ 1,02 mm
	PROTECTION AGAINST MOISTURE SD	 Protection against residual moisture in substrate	Prevention of moisture damage	$\geq 75 \text{ m}$		$\geq 75 \text{ m}$
Requirements based on USE	DYNAMIC LOAD DL	 Sustained load generated by walking on floor, etc.	Mechanical protection; sustained retention of essential properties	$\geq 10.000 \text{ Zyklen}$	$\geq 100.000 \text{ Zyklen}$	> 2.500.000 cycles
	STATIC LOAD CS	 Compressive stress at a defined compression strength	Protection of locking system and against cracking	$\geq 10 \text{ kPa/m}^2$	$\geq 60 \text{ kPa/m}^2$	~ 210 kPa
	SUSTAINED STATIC LOAD CC	 Sustained load generated by furniture, etc.	Sustained retention of essential properties	$\geq 10 \text{ kPa/m}^2$	$\geq 10 \text{ kPa/m}^2$	~ 49 kPa
	IMPACT RESISTANCE RLB	 Load generated by force of impact	Protection of surface	$\geq 50 \text{ cm}$	$\geq 120 \text{ cm}$	~ 70 cm
	FLAMMABILITY CLASSIFICATION RTF	 reaction to fire				Bfl-s1
ACOUSTICS	IMPACT SOUND REDUCTION IS	 Reduction of structureborne noise transmission	Noise reduction inside neighboring rooms when walking on the flooring	$\geq 14 \text{ dB}$	$\geq 18 \text{ dB}$	~ 18 dB (± 2 dB)
	REFLECTED WALKING SOUND EMISSION RWS	 Reflected walking sound emitted	Noise emissions generated inside the room itself when walking on the flooring	In Vorb. %		~ 26 % (± 2 %)
DIMENSIONS	Thickness					2,00 mm (± 0,15 mm)
	Product area weight					1,70 kg/m ² (± 0,15kg/m ²)
	Roll length x Roll width					8.000 x 1.000 mm

