



**Impact sound reduction PE-foam Floor Underlay in rolls – 2 mm – 35kg/m<sup>3</sup> - laminated with ALUPP20 film**

Property	Symbol	Unit	Requirements	Result	Test method
Foam thickness	t	mm	+/- 10%	2	EN 823 + A.3.1
Film thickness		μ	+/- 3%	20	
Length	l	m	Rolls: -0%	20	EN 822 + A.3.3
Width	w	m	+/- 5 mm	1	EN 822 + A.3.2
Foam density		kg/m <sup>3</sup>	+/-2	35	DIN 53420
Flatness	s	mm/m	< 2mm/m	< 2mm/m	EN 825 + A.3.5
Tensile strength		N/mm <sup>2</sup>			ASTM D 882
λ value foam layer		W/m K		0,045	DIN 52612
Punctual Conformability	PC	mm	PC ≥ 0,5mm	1,8	EN ISO 868 + A.3.6
Compressive strength	CS	kPa	CS ≥ 10 kPa	25	EN 826 + A.3.7
Dynamic Load resistance (DL25)	DL	Cycles	≥ 10,000 cycles	≥10000	EN 13793 + A.3.9
Compressive Creep	CC	kPa	≥ 2 kPa	2 (CC1)	EN 1606 + A.3.8
Thermal Resistance	R	m <sup>2</sup> *K/W	Floor & underlay may not exceed 0,15 m <sup>2</sup> K/W		EN 12667 or EN 12664 at 24°C mean temperature
Water vapour diffusion resistance	SD	m	≥ 75 m	≥75	EN 12086, method A, at 23°C and 0% to 50% rel. humidity
Impact sound insulation	IS	dB		19	EN ISO 10140-3 and EN ISO 717-2
Airborne sound insulation	AS	dB			EN ISO 10140-2 and EN ISO 717-1
Resistance to impact by large diameter ball	RLB	mm		≥1200	EN 13329
Alkaline resistance	AR				EN 14909
Emission of formaldehyde					EN 16516
Emission of VOC's (Volatile Organic Compounds)				A+ 	EN ISO 16000-9
Area weight	AW	g/m <sup>2</sup>		96	A.3.10
Reaction to fire	RTF			E/Efl ; approved	EN ISO 11925-2 Classification according to EN 13501-1:2007 + A1:2009, table 2
Reflected Walking Sound	RWS	sone		88	EN 16205
DIBT-Bauaufsichtsrechtliche Zulassungs-Nummer					
Netto weight / roll	+/- 1,9kg				
Temperature Resistance	-40 / +70 °C				
Chemical Resistance	Good to very good resistance to chemicals Products to be avoided: highly oxidizing products				
Safety and Environmental information	The product is biologically and physiologically harmless and does not require any special health and safety measures				