




Impact sound reduction PE-foam Floor Underlay in rolls – 2 mm – 50kg/m³ - laminated with ALUPP20 film

Property	Symbol	Unit	Requirements	Result	Test method
Thickness	t	mm	+/- 15% or +/- 0,5mm	2	EN 822 + A.3.1
Length	l	m	Rolls: -0%	20	EN 822 + A.3.3
Width	w	m	-1% / +2,5%	1	EN 822 + A.3.2
Flatness	s	mm/m	< 2mm/m	< 2mm/m	EN 825 + A.3.5
Punctual Conformability	PC	mm	PC ≥ 0,5mm	1,4-1,5	EN ISO 868 + A.3.6
Compressive strength	CS	kPa	CS ≥ 10 kPa	25,4	EN 826 + A.3.7
Dynamic Load resistance (DL25)	DL	Cycles	≥ 10,000 cycles	26200 (DL1)	EN 13793 + A.3.9
Compressive Creep	CC	kPa	≥ 2 kPa	2 (CC1)	EN 1606 + A.3.8
Thermal Resistance	R	m ² *K/W	Floor & underlay may not exceed 0,15 m ² K/W	0,0646	EN 12667 or EN 12664 at 24°C mean temperature
Water vapour diffusion resistance	SD	m	≥ 75 m	>150	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		45	EN ISO 10140-2 and EN ISO 717-1
Resistance to impact by large diameter ball	RLB	mm		>1150	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				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		93 Db(A)	EN 16205
DIBT-Bauaufsichtsrechliche Zulassungs-Nummer				Z-158.10-79	
Netto weight / roll	+/- 3,2kg				
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				