

STARLON®

Thermo-acoustic isolation

STARLON® is Thermo-acoustic insulation layer from extruded polystyrene (XPS) suitable for lying under laminate, wooden and other types of floor covers. Its main features are heat and sound insulation, the ability to level off minor surface irregularities, high load resistance, and high absorption of the sound of footsteps.

Parameter	symbol	unit	value		test method
Thickness	d	mm	3	6	CSN EN 12431
Volume weight	ρ	kg.m ⁻³	40	33	CSN EN 1602
Thermal conductivity coefficient [$\lambda(10^{\circ}\text{C})$]	λ	W.m ⁻¹ .K ⁻¹	0,0315	0,0298	ISO 8302, CSN EN 12667
Reduction in the sound of footsteps	ΔL_w	dB	16	17	CSN EN ISO 140-8, CSN EN ISO 717-2
Dynamic toughness	(s')	MN.m ⁻³	430	325	CSN ISO 9052-1
Load resistance	λ	t/m ²	5,2	6,7	ITC Zlin č.j. 313500057/07



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