

## STARLON® PROFESIONAL thickness 3 mm

### Isolation against impact noise

STARLON® PROFESIONAL is an insulating pad from extruded polystyrene (XPS) in roll or plate form which is intended under floating floors. It is characterized by good noise insulation characteristics and high load resistance. It removes point unevenness of the surface up to a height of 2.5 mm. It achieves high values in the field of noise reduction.

#### *STARLON® PROFESIONAL thickness 3 mm – Physical properties*

Parameter	Unit	Value	Test method, protocol
Thickness	mm	3	ČSN EN 12431
Density	kg.m <sup>-3</sup>	33 ± 5	ČSN EN 1602
Compensation of inequality	mm	2.5	
Coefficient of thermal conductivity [λ(10°C)]	W.m <sup>-1</sup> .K <sup>-1</sup>	0.0298	ISO 8302, ČSN EN 12667
Thermal resistance ( R)	m <sup>2</sup> K/W	0.1007	
Dynamic stiffness	MN.m <sup>-3</sup>	325	ČSN ISO 9052-1
Load resistance	t/m <sup>2</sup>	8.6	
Impact damping [ΔL <sub>w</sub> ]	dB	17	ČSN EN ISO 140-8
Water absorption	% (hm.)	≤0.06	ČSN 64 5421
Combustibility		F	ČSN EN 13 501-1
Hygienic evaluation of material	-	Health safe	-
Impact on the environment	-	Ecological safe, without freons, recyclable	-
Olfactory evaluation	-	odorless	-