

ACOUSTIC INSULATION
SUBFLOORING
WITHOUT LEAD LAYER
FOR UNDERFLOORS

Phonopav 100 Base Plus

Phonopav 100 Base Plus is a low thickness acoustic insulation solution in rolls, consisting of a membrane coupled to an acoustic insulation pad with an elevated sound absorbing power. The upper surface is finished with a thermo-reflective aluminised polyethylene plastic film which, in addition to responding to the practical need of rendering the surface waterproof, also facilitates heat reflection by radiation towards heated environments. The application of this finish provides best results in combination with radiating panels for floor heating. The product has a special self-edge for sealing the side overlaps, consisting of a self-adhesive strip protected by siliconized polyethylene. The sealing of the overlaps is done by self-adhesion.

By virtue of these precautions it will be possible to lay the soundproofing system, limiting the risk of any acoustic bridges. **Phonopav 100 Base Plus is used as an under floor insulation solution for impact noise.**

Item specifications

The acoustic insulation is achieved through the supply and installation of membrane coupled to an acoustic insulation pad with an elevated sound absorbing power. The material must be accompanied by a certificate of origin.

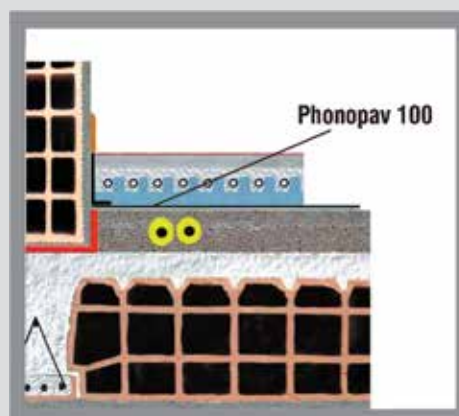
Phonopav 100 Base Plus by Thermak

m²€/m²

SPECIFICATIONS	NORM	UM	SYMBOL	VALUE
UPPER SIDE	aluminised polyethylene film			
UNDER SIDE	phono-resilient polyester			
SURFACE MASS	EN 1849/1	kg/m ²	m _s	1.9
AVERAGE THICKNESS *	UNI 9947	mm		approx. 6.5 **
ROLL DIMENSIONS	EN 1849/1	m		1.05 x 10
THERMAL CONDUCTIVITY POLYMERIC SHEET	standard value	W/mK	λ _p	0.19
THERMAL CONDUCTIVITY POLYESTER FIBRE	UNI 7891 - EN 13165	W/mK	λ _p	0.033
THERMAL RESISTANCE OF PRODUCT	ISO 13789/6946	m ² K/W	R	0.32
WATER VAPOUR DIFFUSION RESISTANCE	EN 12086		μ	100.000
NOISE ABSORPTION LEVEL	UNI EN 12354-2	dB	ΔL _w	35.0
COMPRESSIBILITY	UNI EN 12431	class	c	CP2
CREEP	EN 1606	mm		1.15
OPTIMAL SYSTEM LOAD CONDITIONS	ISO 12354/2	kg/m ²	m'	150.0
APPARENT DYNAMIC STIFFNESS	ISO 29052-1 MTL certification	MN/m ³	s' _t	10.0
AIRFLOW RESISTANCE	ISO 29053	kPa*s/m ²	R	> 10.0
RESONANCE FREQUENCY	ISO 29052/1	Hz	f ₀	39.0

* Any variations in the thickness of the rolled product have no effect on its performance when installed.

** Minimum thickness 4 mm



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