

ACOUSTIC INSULATION  
SUBFLOORING  
WITHOUT LEAD LAYER  
FOR UNDERFLOORS

## Fonotec Plus

Fonotec 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 is manufactured in rolls and is equipped with longitudinally overlapping selva to facilitate the laying of the flooring system. These features make it possible to lay the soundproofing flooring while limiting the risk of any acoustic bridges.

With the use of fluid or super fluid screeds, it is necessary to seal the joints between the rolls with PHONOTAPE ADHESIVE to prevent percolation which could render the system ineffective. **Fonotec Plus is used as an under floor insulation solution for impact noise.**

## Item specifications

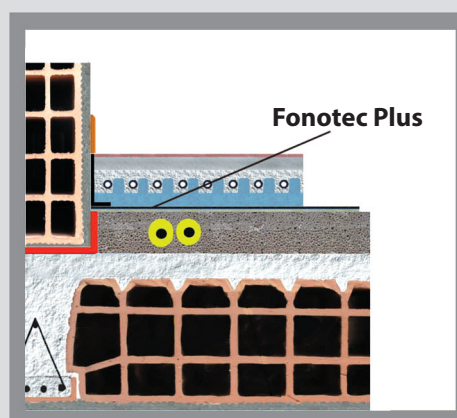
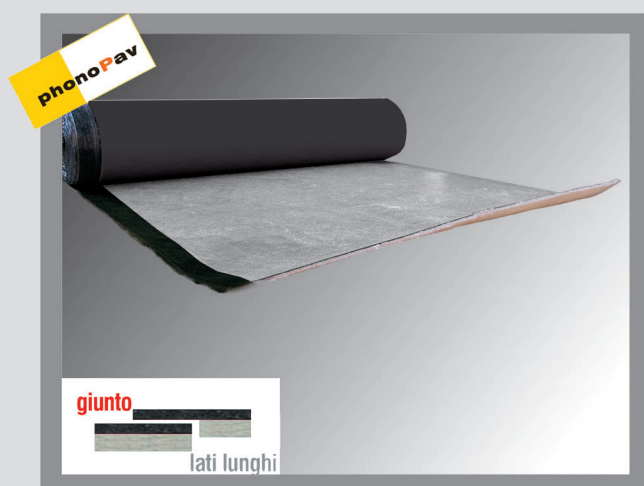
The acoustic insulation is achieved through the supply and installation of membrane coupled to an acoustic insulation pad with an elevated sound absorbing power. The material must be accompanied by a certificate of origin.

☐ Fonotec Plus by Thermak

m<sup>2</sup>€/m<sup>2</sup>

SPECIFICATIONS	NORM	UM	SYMBOL	VALUE
UPPER SIDE	aluminised polyethylene film			
UNDER SIDE	phono-resilient polyester			
SURFACE MASS	EN 1849/1	kg/m <sup>2</sup>	m <sub>s</sub>	1.9
AVERAGE THICKNESS UNDER LOAD OF 200 KG/M <sup>2</sup> *	UNI 9947	mm		approx. 5
ROLL DIMENSIONS	EN 1849/1	m		1.05 x 10
THERMAL CONDUCTIVITY POLYMERIC SHEET	standard value	W/mK	λ <sub>0</sub>	0.19
THERMAL CONDUCTIVITY POLYESTER FIBRE	UNI 7891 - EN 13165	W/mK	λ <sub>0</sub>	0.033
THERMAL RESISTANCE OF PRODUCT	ISO 13789/6946	m <sup>2</sup> K/W	R	0.32
WATER VAPOUR DIFFUSION RESISTANCE	EN 12086		μ	100.000
NOISE ABSORPTION LEVEL	UNI EN 12354-2	dB	ΔL <sub>w</sub>	35.0
COMPRESSIBILITY	UNI EN 12431	class	c	CP2
CREEP	EN 1606	mm		1.15
OPTIMAL SYSTEM LOAD CONDITIONS	ISO 12354/2	kg/m <sup>2</sup>	m'	150.0
APPARENT DYNAMIC STIFFNESS	ISO 29052-1 MTL certification	MN/m <sup>3</sup>	s' <sub>t</sub>	10.0
AIRFLOW RESISTANCE	ISO 29053	kPa*s/m <sup>2</sup>	R	> 10.0
RESONANCE FREQUENCY	ISO 29052/1	Hz	f <sub>0</sub>	39.0

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



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