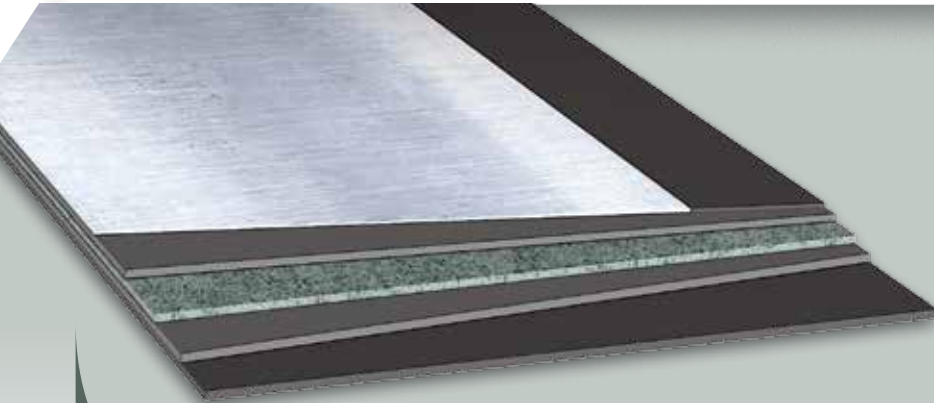


FONOTEC Plus

Sound insulation material for floors - Impact noise



PROFILE



technical data sheet

TECHNICAL DATA

SIZES & PACKING

characteristics	norm	symbol	UM	value
nominal thickness	EN 1849/1		mm	6.5
surface mass	EN 1849/1	m_s	kg/m ²	1.9
roll length	EN 1849/1		m	10.0
roll height	EN 1849/1		cm	100+5
compressibility	UNI EN 12431	c	class	CP2
creep in compression	EN 1606		mm	1.34
optimal system load conditions	ISO 12354/2	m'	kg/m ²	150.0
thermal properties λ				
thermal conductivity polymeric sheet	STANDARD VALUE	λ_b	W/mK	0.19
thermal conductivity polyester fibre	UNI 7891 EN 13165	λ_b	W/mK	0.033
thermal resistance of product	ISO 13786/6946	R	m ² K/W	0.32
water vapour diffusion resistance	EN 12086	μ		100.000
acoustic properties				
apparent dynamic stiffness	ISO 29052-1 MTI certification	s'_i	MN/m ³	10.0
airflow resistance	ISO 29053	R	kPa*s/m ²	> 10.0
dynamic stiffness	ISO 29052/1	s'	MN/m ³	15.0
resonance frequency	ISO 29052/1	f_0	Hz	39.0
noise absorption level	ISO 12354/2	ΔL_w	dB	31.0

roll size (m)	1.05 x 10
m ² per roll	10.5
rolls per pallet	23
m ² per pallet	241.5

DESCRIPTION

FONOTEC Plus is an impact subflooring obtained by bonding a viscoelastic polymer soundproofing membrane with a layer of polyester fibre with high noise absorption capacity. The exposed side is finished by a heat-reflective film made of aluminized polyethylene which not only meet the practical need of waterproofing the surface, but also facilitates the reflection by radiation of heat towards the heated environments. The use of this finishing result is greater in conjunction with the radiating panel for under floor heating. The product is manufactured in rolls and is equipped with longitudinally overlapping selvage 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.

FIELDS OF USE

FONOTEC Plus is used in ceilings as insulation from the noise of footsteps in the "floating screed" system. The product is used in a single layer with the soundproofing membrane facing upwards. Combined with this, along the perimeter is the CORNER-S uncoupling side strip. 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.

SUPPLY SPECIFICATIONS

The **FONOTEC Plus** impact acoustic insulation will be supplied and installed by the Pluvitec company. The product must have an apparent dynamic stiffness (s'_i) of 10.0 MN/m³, dynamic stiffness (s') of 15.0 MN/m³ and a noise reduction level (ΔL_w) of 31.0 dB. A correctly installed soundproofing system includes the CORNER-S uncoupling strip along the perimeter in combination with the subflooring. The material must be accompanied by a certificate of origin.