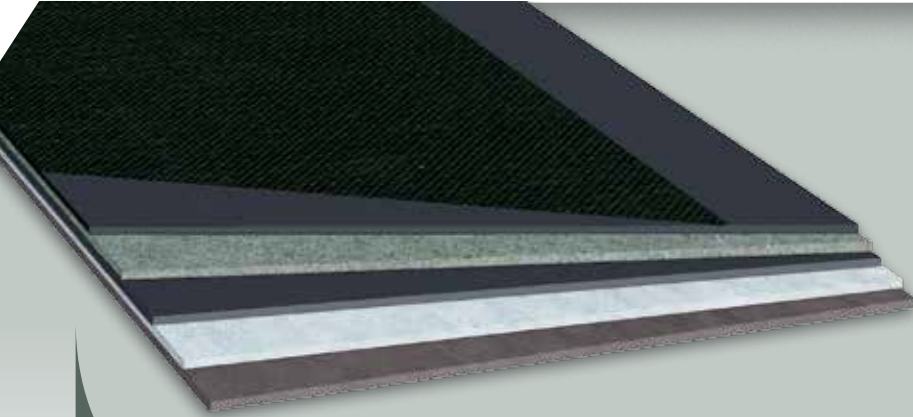


FONOTEC Top

Sound insulation material for floors - Impact noise



PROFILE



technical data sheet

TECHNICAL DATA

characteristics	norm	symbol	UM	value
nominal thickness	EN 1849/1		mm	8 (±10%)
surface mass	EN 1849/1	m_s	kg/m ²	2.00 (±10%)
roll length	EN 1849/1		m	4
roll height	EN 1849/1		cm	100+5
compressibility	UNI EN 12431	c	class	CP3
thermal properties λ				
thermal conductivity	UNI 7891 EN 13165	λ_D	W/m ² K	0.040
water vapour diffusion resistance	EN 12086	μ		10.000
acoustic properties				
dynamic stiffness	ISO 29052/1	s'	MN/m ³	14
noise absorption level	UNI 140-7	ΔL_{w1}	dB	33

SIZES & PACKING

roll size (m)	1.05 x 4
m ² per roll	4.2
rolls per pallet	23
m ² per pallet	96.60

DESCRIPTION

FONOTEC Top is an acoustic insulation in rolls with reduced thickness, consisting of 3 layers with different functions, assembled in production without use of adhesives. The first layer is a damping polymeric membrane being 1.5 mm thick, covered with a black polypropylene mat upper face finish, having tear resistance functions; the second layer is a 3 mm thick polyethylene mat, for the reduction of foot traffic noise; the third layer is a 3.5 mm polyester fiber cushion having low dynamic stiffness to boost the performance of sound insulation while limiting the risk of any acoustic bridges.

The product is suitable for the reduction of impact noise in the horizontal partitions and comes with a special selvedge to facilitate correct installation. To ensure a perfect application, the selvedge allows for a continuous system and must be taped. Combined with Fonotec Top, always use the 5 mm side adhesive strips in polyethylene to achieve the connections with the vertical partitions.

SUPPLY SPECIFICATIONS

The impact acoustic insulation layer will be created by the supply and laying of Pluvitec's **FONOTEC Top**, made by 3 mm thick polyethylene membrane (30 kg/m³ density) coupled on one side to a polymeric membrane 1.5 mm thick, self-protected with black polyethylene mat, and to the other side to a polyester fiber cushion with a total thickness of 8 mm. The joints will have selvedge and must be sealed with adhesive tape.