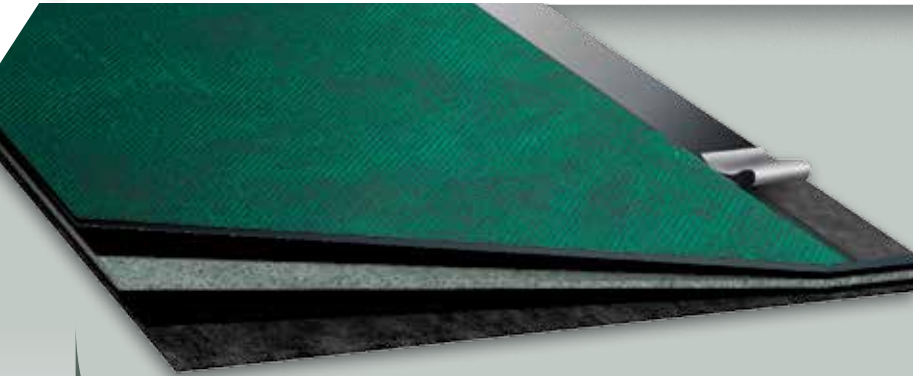


GREEN ACUTEK 37

Sound insulation material for floors - Impact noise



PROFILE



technical data sheet

TECHNICAL DATA

characteristics	norm	symbol	UM	value
nominal thickness	EN 1849/1		mm	9.0
surface mass	EN 1849/1	m_s	kg/m ²	2.7
roll length	EN 1849/1		m	10.0
roll height	EN 1849/1		cm	100+10
compressibility	UNI EN 12431	c	class	CP2
creep in compression	EN 1606		mm	1.62
optimal system load conditions	ISO 12354/2	m'	kg/m ²	120.0
thermal properties λ				
thermal conductivity polymeric sheet	STANDARD VALUE	λ_p	W/mK	0.20
thermal conductivity polyester fibre	UNI 7891 EN 13165	λ_f	W/mK	0.035
thermal resistance of product	ISO 13786/6946	R	m ² K/W	0.42
water vapour diffusion resistance	EN 12086	μ		100.000
acoustic properties				
apparent dynamic stiffness	ISO 29052-1 MTL certification	s'_i	MN/m ³	12.0
airflow resistance	ISO 29053	R	kPa*s/m ²	> 10.0
dynamic stiffness	ISO 29052/1	s'	MN/m ³	23.1
resonance frequency	ISO 29052/1	f_0	Hz	39.0
noise absorption level	ISO 12354/2	ΔL_w	dB	29.0

SIZES & PACKING

roll size (m)	1.10 x 10
m ² per roll	11
rolls per pallet	23
m ² per pallet	253

DESCRIPTION

GREEN ACUTEK 37 is an impact subflooring obtained by bonding a viscoelastic polymer heat activated soundproofing membrane with a layer of polyester fibre with high noise absorption capacity. 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

GREEN ACUTEK 37 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 **GREEN ACUTEK 37** impact acoustic insulation will be supplied and installed by the Pluvitec company. The product must have an apparent dynamic stiffness (s'_i) of 12.0 MN/m³, dynamic stiffness (s') of 23.1 MN/m³ and a noise reduction level (ΔL_w) of 29.0 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.