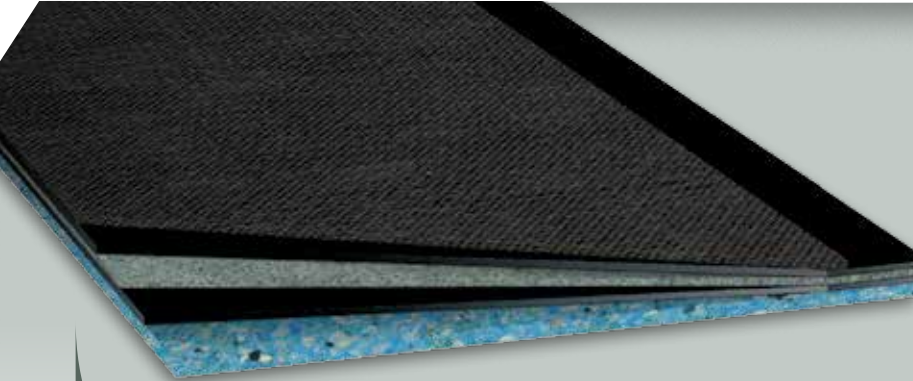


# STOP OTTO

Sound insulation material for floors - impact noise



## PROFILE



technical data sheet

## TECHNICAL DATA

characteristics	norm	symbol	UM	value
nominal thickness	EN 1849/1		mm	8.0
surface mass	EN 1849/1	$m_s$	kg/m <sup>2</sup>	2.3
roll length	EN 1849/1		m	6.0
roll height	EN 1849/1		cm	100+5
compressibility	UNI EN 12431	c	class	CP1
creep in compression	EN 1606		mm	0.60
stress-strain in compression 20%	ISO 3386/1	$CV_{20}$	kPa	20.0
optimal system load conditions	ISO 12354/2	$m'$	kg/m <sup>2</sup>	120.0
<b>thermal properties <math>\lambda</math></b>				
thermal conductivity polymeric sheet	Standard Value	$\lambda_p$	W/mK	0.20
thermal conductivity agglomerate	UNI 7891 EN 13165	$\lambda_a$	W/mK	0.037
thermal resistance of product	ISO 13786/6946	R	m <sup>2</sup> K/W	0.36
water vapour diffusion resistance	EN 12086	$\mu$		100.000
<b>acoustic properties</b>				
apparent dynamic stiffness	ISO 29052-1	$s'_i$	MN/m <sup>3</sup>	27.0
airflow resistance	ISO 29053	R	kPa*s/m <sup>2</sup>	> 100.0
dynamic stiffness	ISO 29052/1	$s'$	MN/m <sup>3</sup>	27.0
resonance frequency	ISO 29052/1	$f_0$	Hz	51.9
noise absorption level	ISO 12354/2	$\Delta L_w$	dB	29.3

## SIZES & PACKING

roll size (m)	1.05 x 6
m <sup>2</sup> per roll	6.3
rolls per pallet	16
m <sup>2</sup> per pallet	100.8

## DESCRIPTION

**STOP OTTO** is a subflooring obtained by bonding a viscoelastic polymer soundproofing membrane to a pigmented polyurethane agglomerate layer with a high sound absorption level. 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.

## RANGE OF USE

**STOP OTTO** 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 impact acoustic insulation layer will be created by the supply and laying of Pluvitec's STOP OTTO. The product must have apparent dynamic stiffness ( $s'_i$ ) of 27.0 MN/m<sup>3</sup>, dynamic stiffness ( $s'$ ) of 27.0 MN/m<sup>3</sup> and noise reduction level ( $\Delta L_w$ ) of 29.3 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.