

IMPACT SOUND | UNDER SCREED INSULATION



ISOLMANT SPECIAL

Second-generation Isolmant with embossed and screen printed upper side. Featured by a better and calibrate quality of the polyethylene cellulation.

→ To be installed with the embossed and screen printed side facing upwards.



isolmantSpecial

THICKNESS	Approx. 3 - 5 - 10 - 15 mm	
IMPACT SOUND INSULATION	$\Delta L_w = 19$ dB (3 mm version) Calculated value according to EN ISO 12354-2 and UNI/TR 11175 $\Delta L_w = 25.5$ dB (5 mm version) Certified value $\Delta L_w = 28$ dB (10 mm version) Certified value	
DYNAMIC STIFFNESS	$s' = 80$ MN/m ³ (3 mm version) $s' = 60$ MN/m ³ (5 mm version) $s' = 32$ MN/m ³ (10 mm version)	
THERMAL CHARACTERISTICS	$\lambda = 0.035$ W/mK $c = 2100$ J/kgK $\mu = 3600$	$R_t = 0.086$ m ² K/W (3 mm version) $R_t = 0.142$ m ² K/W (5 mm version) $R_t = 0.284$ m ² K/W (10 mm version) $R_t = 0.426$ m ² K/W (15 mm version)
SIZE	Rolls of: 1.50 m x 50 m (h x L) = 75 m ² (3 mm version) 1.50 m x 50 m (h x L) = 75 m ² (5 mm and 10 mm version) 1.50 m x 30 m (h x L) = 45 m ² (15 mm version) Product with overlaps (10 and 15 mm version)	
PACKAGING	Single rolls	
KIT XS	Rolls of: 0.70 m x 20 m (h x L) = 14 m ² with Isolmant Fascia Perimetrale Tecnica Doppio Spessore (h 20 cm - L 12.5 m) and Isolmant Fascia Nastro (h 7.5 cm - L 15 m)	

→ Conditions of use

Isolmant Special is recommended for impact sound insulations of horizontal partitions. This product is suitable for applications between the levelling substrate and the screed in double-layer flooring. It ensures performance and quality over the time thanks to its physical characteristics. The finishing screed should be at least 5 cm (for Isolmant Special 3 and 5 mm) or at least 7 cm (for Isolmant Special 10 mm). Screeds with lower thickness should be reinforced by means of a suitable metal mesh or fibres.

→ Item specifications

The resilient layer is made of second-generation expanded closed-cell physically cross-linked polyethylene. This product ensures an even performance and high compressive strength over the time. The company logo should be placed in a visible position. Product with overlaps (10 and 15 mm version). Density 30 kg/m³. Thickness... mm (3 - 5 - 10 - 15 mm). Dynamic stiffness MN/m³ (80 - 60 - 32 MN/m³ for the 3 - 5 - 10 mm versions respectively).

WARNING: This technical data sheet is not a valid specification and, if it consist of multiple pages, be sure to read the full document. This instruction are the best of our current experience but are indicative information. Assuming the liability resulting from the use of this product, it is up to the user to establish whether the product is suitable for the intended use.