



→ **ISOLMANT SPECIAL**

Innovative Isolmant with embossed and screen printed upper side. This product is made of high quality expanded closed-cell physically cross-linked polyethylene.

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



**isolmantSpecial**

<b>THICKNESS</b>	Approx. 3 - 5 - 10 - 15 mm	
<b>IMPACT SOUND INSULATION</b>	$\Delta L_w = 19$ dB (3 mm version) Value calculated 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	
<b>DYNAMIC STIFFNESS</b>	$s' = 80$ MN/m <sup>3</sup> (3 mm version) $s' = 60$ MN/m <sup>3</sup> (5 mm version) $s' = 32$ MN/m <sup>3</sup> (10 mm version)	
<b>THERMAL CHARACTERISTICS</b>	$\lambda = 0.035$ W/mK $c = 2100$ J/kgK $\mu = 3600$	$R_t = 0.086$ m <sup>2</sup> K/W (3 mm version) $R_t = 0.142$ m <sup>2</sup> K/W (5 mm version) $R_t = 0.284$ m <sup>2</sup> K/W (10 mm version) $R_t = 0.426$ m <sup>2</sup> K/W (15 mm version)
<b>SIZE</b>	Rolls of: 1.50 m x 100 m (h x L) = 150 m <sup>2</sup> (3 mm version) 1.50 m x 50 m (h x L) = 75 m <sup>2</sup> (5 mm and 10 mm version) 1.50 m x 30 m (h x L) = 45 m <sup>2</sup> (15 mm version) Product with overlaps (10 and 15 mm version)	
<b>PACKAGING</b>	Single rolls	
<b>KIT XS</b>	Rolls of: 0,70 m x 20 m (h x L) = 14 m <sup>2</sup> 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 (type Isolmant Special). The company logo should be placed in a visible position. Product with overlaps (10 and 15 mm version). Density 30 kg/m<sup>3</sup>. Thickness ... mm (3 - 5 - 10 - 15 mm). Dynamic stiffness MN/m<sup>3</sup> (80 - 60 - 32 MN/m<sup>3</sup> 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.