



## → ISOLMANT D311

Product made of a double-layer Isolmant with the upper side bonded to a high resistance aluminate embossed anti-tearing film.

**isolmant D311**

<b>THICKNESS</b>	Approx. 22 mm
<b>THERMAL CONDUCTIVITY</b>	$\lambda = 0.037 \text{ W/mK}$
<b>THERMAL RESISTANCE</b>	$R_t = 0.595 \text{ m}^2\text{K/W}$
<b>SPECIFIC HEAT CAPACITY</b>	$c = 2100 \text{ J/kgK}$
<b>VAPOUR RESISTANCE</b>	$\mu = 3600$
<b>EQUIVALENT AIR LAYER THICKNESS</b>	$S_d = 79 \text{ m}$
<b>UNDER LOAD DEFLECTION</b>	4.6% at 2 kPa
<b>COMPRESSION CLASS</b>	CP 2
<b>IMPACT SOUND INSULATION</b>	$\Delta L_w = 26 \text{ dB}$ Value calculated according to UNI EN ISO 12354 and UNI/TR 11175
<b>DYNAMIC STIFFNESS</b>	$s' = 37 \text{ MN/m}^3$
<b>SIZE</b>	Panels of 1.0 m x 1.5 m = 1.5 m <sup>2</sup> Once laid close, the panels should be sealed by means of Isolmant Nastro Telato or Isolmant Fascia Nastro
<b>PACKAGING</b>	Packs of 15 panels (equal to 22.5 m <sup>2</sup> )

## → Conditions of use

Isolmant D311 is recommended for under screed installation in single layer applications. Its application ensures high levels of thermal and impact sound insulation of the partition floor. It needs a finishing screed of at least 7 cm. The screed should be suitably reinforced or reinforced by means of a suitable fibre.

## → Item specifications

The resilient layer is made of expanded closed-cell cross-linked polyethylene bonded to an embossed aluminate coated anti-tearing film (Isolmant D311 type). This product should be installed with the aluminate-coated side facing upwards. Density approx. 30 kg/m<sup>3</sup>. Thickness approx. 22 mm. Dynamic stiffness 37 MN/m<sup>3</sup>.

**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.