SPECIAL PRODUCTS



\rightarrow ISOLMANT **STRONG**

Acoustic resilient layer made of high-density expanded closed-cell physically cross-linked polyethylene. It is suitable for impact sound insulation and vibration isolation in case of heavy loads.

THICKNESS	Approx. 6 mm
DENSITY	Approx. 70 kg/m ³
COMPRESSIVE STRENGTH	deformation 10%: 85 kPa deformation 25%: 120 kPa deformation 50%: 185 kPa
COMPRESSION SET	0,5 h after discharge, 23°C: 8% 24 h after discharge, 23°C: 3% after 22 h load causing 25% deflection
THERMAL CONDUCTIVITY	λ = 0.043 W/mK
THERMAL RESISTANCE	$R_{t} = 0.140 \text{ m}^{2}\text{K/W}$
SPECIFIC HEAT CAPACITY	c = 2100 J/kgK
VAPOUR RESISTANCE	μ = 6700
EQUIVALENT AIR LAYER THICKNESS	S _d = 40 m
SIZE	Rolls of 1.50 m x 50 m (h x L) = 75 m ²
PACKAGING	Single rolls

Conditions of use

Isolmant Strong is recommended for impact sound insulation and vibrations isolation in case of very heavy loads. In non-residential structures it can be used also by overlapping some layers on each other when live loads exceed 5 kN/m².

→ Item specifications

The resilient layer is made of high density physically cross-linked polyethylene foam for impact sound insulation and vibrations isolation with high compressive strength under heavy loads (live loads exceeding 5 kN/m²) (Isolmant Strong type). Thickness 6 mm, density 70 kg/m³. 10% compressive deformation with 85 kPa. 3% residual deflection after 24 h (after 22 h load causing 25% deflection).

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.

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