



→ ISOLMANT FIBRA HD

Acoustic resilient panel, made of HD (140 kg/m³) FIBTEC PHD, 70% recycled post-consumer material suitable for impact sound insulation especially with dry screed system. Non-toxic, ecological, with unlimited duration.

Isolmant Fibra HD provides credits for green buildings certifications according to LEED or ITACA rating systems.

▶ ENHANCED PERFORMANCES ◀

**isolmant Fibra HD**

THICKNESS	Approx. 10 mm and 20* mm <small>*Note: product on request for quantities of at least 500 m² and with 20 working days' notice</small>
DENSITY	Approx. 140 kg/m ³
IMPACT SOUND INSULATION DRY SCREED	$\Delta L_w = 22$ dB Value calculated - 33 mm thin system gypsum fibre board 23 mm (28 kg/m ²), 10 mm Isolmant Fibra HD, standard concrete slab $\Delta L_w = 28$ dB Value calculated - 43 mm thin system gypsum fibre board 23 mm (28 kg/m ²), 20 mm Isolmant Fibra HD, standard concrete slab
IMPACT SOUND INSULATION POURED SCREED	$\Delta L_w = 27$ dB (10 mm version) Value calculated according to UNI EN ISO 12354-2 and UNI/TR 11175 $\Delta L_w = 33$ dB (20 mm version) Value calculated according to UNI EN ISO 12354-2 and UNI/TR 11175
EFFECTIVE DYNAMIC STIFFNESS	$s' = 21$ MN/m ³ (10 mm version) $s' = 9$ MN/m ³ (20 mm version)
COMPRESSION CLASS	CP 2
THERMAL CONDUCTIVITY	$\lambda = 0.032$ W/mK
THERMAL RESISTANCE	$R_t = 0.313$ m ² K/W (10 mm version) $R_t = 0.625$ m ² K/W (20 mm version)
SPECIFIC HEAT CAPACITY	$c_p = 1200$ J/kgK
VAPOUR RESISTANCE	$\mu = 3$
SIZE	Panels of 1.00 m x 1.20 m = 1.20 m ²
PACKAGING	Packs of 8 - 15 panels (equal to 18 - 9.6 m ² each pack) for 10 - 20 mm versions respectively

→ Conditions of use

Isolmant Fibra HD is suitable for impact sound insulation. In particular, it is recommended for creating dry floating screed made of gypsum fibre boards, fibre cement or wood base panels. Its thin thickness allows the installation of systems with reduced height. If used for standard screed, made of sand and cement (minimum 5 cm thickness), a protective PE film should be laid before installation. The screed should ensure adequate mechanical resistance depending on the effective load and laying conditions (specifications given by screed supplier).

→ Item specifications

Resilient panels made of HD polyester fibre FIBTEC PHD (140 kg/m³), with high acoustic and thermal characteristics. 70% post-consumption material obtained from post-consumer material. Non-toxic, ecological, with unlimited duration. Dynamic stiffness: $s' = 21$ MN/m³, (10 mm version) and $s' = 9$ MN/m³ (20 mm version) according to UNI EN 29052-1. Panel thermal resistance: $R_t = 0.313$ (10 mm version) and $R_t = 0.625$ (20 mm version). Approx. 1.00 x 1.20 m panels.

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.