



→ ISOLMANT FIBRA LC

Insulating panel made of IsolFIBTEC FLC fibre (recycled and thermo-bonded fibre of polyester for technical application). These panels provide high sound and thermal performances/insulation. Non-toxic, ecological, with unlimited duration.

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



isolmant
FIBRA LC

THICKNESS	Approx. 40 - 60 - 80 mm
THERMAL CONDUCTIVITY	$\lambda = 0.039 \text{ W/mK}$
THERMAL RESISTANCE	$R_t = 1.026 \text{ m}^2\text{K/W}$ (40 mm version) $R_t = 1.538 \text{ m}^2\text{K/W}$ (60 mm version) $R_t = 2.052 \text{ m}^2\text{K/W}$ (80 mm version)
SPECIFIC HEAT CAPACITY	$c = 1200 \text{ J/kgK}$
VAPOUR RESISTANCE	$\mu = 2$
EQUIVALENT AIR LAYER THICKNESS	$S_d = 0.08 - 0.12 - 0.16 \text{ m}$ (respectively for 40 - 60 - 80 mm versions)
AIRBORNE SOUND INSULATION	$R_w > 50 \text{ dB}$ Cavity wall made of standard bricks without evident acoustic bridges
REACTION TO FIRE	Class 1
SIZE	Panels of $0.6 \text{ m} \times 1.50 \text{ m} = 0.9 \text{ m}^2$
PACKAGING	Packs of 30 - 20 - 15 panels (equal to 27 - 18 - 13,5 m ² each pack) for 40 - 60 - 80 mm versions respectively

→ Conditions of use

Isolmant Fibra LC is a versatile product. It is recommended for acoustic and thermal insulation of masonry cavity wall or drywall that are perimeter partition and between different dwelling units. Isolmant Fibra LC is conceived for applications inside cavity walls that are made of standard blocks and without evident acoustic bridges, to provide a better airborne sound insulation (higher than 50 dB).

→ Item specifications

Insulating panel (0.6 x 1.50 m) made of recycled and thermo-bonded fibre of polyester. Reaction to fire class 1. Thickness ... mm (40 - 60 - 80 mm).

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.