



ISOLMANT BIO FK

DESCRIPTION

Heat-bonded Kenaf plant fibre-based thermal insulation and soundproofing panel. The products, extracted directly from the plant stem and suitably processed, are imputrescible and cannot be attacked by insects or mould.

Kenaf is a plant in the Malvaceae family and comes from cultivations which do not require the use of pesticides or herbicides. Waste from the fibre extraction process is reused as fodder and environmentally-friendly fuels.

THICKNESS

Available in two thicknesses: 30 mm and 50 mm.

THERMAL CONDUCTIVITY

$\lambda = 0.035 \text{ W/mK}$

Thermal assessment on double wall, perforated 12 + perforated 8 + 3 plaster layers with Isolmant BIO FK (30 mm) inserted in the 5 cm air gap: $U = 0.593 \text{ W/m}^2\text{K}$

SOUNDPROOFING

currently being certified

Thermal assessment on double wall, perforated 12 + perforated 8 + 3 plaster layers with Isolmant BIO FK (30 mm) inserted in the 5 cm air gap: $R_w = 54 \text{ dB}$

RESISTANCE TO STEAM

$\mu = 2,30$

PANEL DIMENSIONS

$1,20 \text{ m} \times 0,6 \text{ m} \text{ (h} \times \text{L)} = 0,72 \text{ m}^2$

PACK

Packs of 10-7 panels for BioFK 30-50 (respectively).

WARNING:

This technical data sheet is not a valid specification. It is up to the user to establish whether the product is suitable for the intended use.

FIELDS OF USE

Isolmant BIO FK is a breathable insulating panel recommended for the soundproofing and thermal insulation of vertical partitions, both perimetric and dividing various property units. Isolmant BIO FK can be inserted dry into air gaps of double walls.

The product guarantees a high level of noise abatement, even inside plasterboard walls or lightweight plasterboard walls on metal frameworks.

SPECIFICATION

Sound absorbent and thermal insulating panels composed of a natural, insulating material based on Kenaf virgin plant fibres mixed with a small amount of cross-linking fibre, layered using a mechanical process and heat-bonded without chemical additives.

The product is breathable, imputrescible, cannot be attacked by insects or rodents, is resistant to mould and 100% recyclable.

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