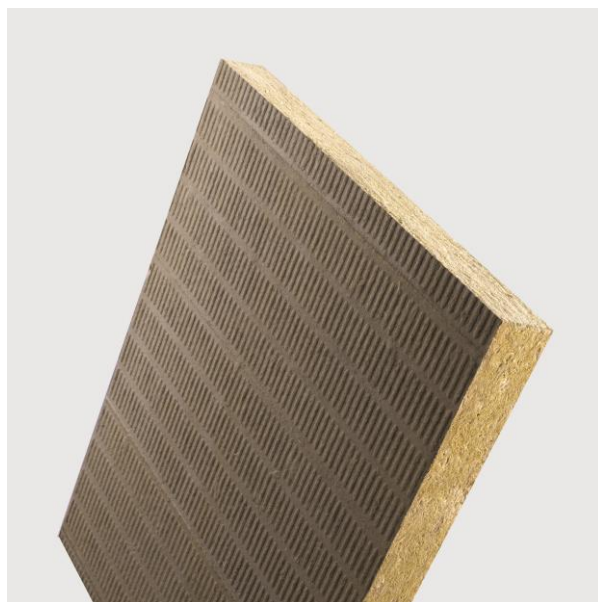


KM BOARD V1

MINERAL FIBRE PANEL SYSTEM



GENERALITY

The **KM BOARD V1** system is made up of mineral fibre panels covered with fire-resistant material on one side, duly sealed with fire resistant putty **KM SEALER F**. They ensure a fire proofing seal of technological systems, such as air ducts, water pipes and cable raceways.

DESCRIPTION

KM BOARD V1 mineral fibre panel, 150 kg/cm density, 60 mm thickness, with fire-resistant coating on one side. KM SEALER F fire resistant putty.

FUNCTIONALITY

The passive fire-resistant barrier seals the crossing hole of plants. It consists of two KM BOARD V1 panels, setup back-to-back with the coated sides outwards.

- **EI180** on masonry walls.
- **EI120** on plasterboard walls.

CERTIFICATIONS

- According to European Standard UNI-EN 1366-3 EI 180 on masonry walls.
- According to European Standard UNI-EN 1366-3 EI 120 on plasterboard walls.

FEATURES

"KM BOARD V1" is a volcanic rock fibre panel compressed with special thermosetting resins, high density, self-supporting, surface covered with a grey sodium silicate intumescent coating.

The covered panel has excellent resistance to moisture and condensate; good water resistance; is resistant to chemical agents; rot-proof, mildew and bacterium proofing and bacteria; not hygroscopic and is very stable at high temperatures.

APPLICATION

To make passive fire barriers, the plugging of crossing gaps, in compartment elements with defined fire resistance. Suitable for thermal and acoustic insulation of flat surfaces, characterized by high temperatures and the presence of mechanical vibrations.

TECHNICAL DATA

Colour:	covered surface grey/panel yellow
Surface covered:	sodium silicate intumescent coating
Specific weight:	150 kg/m ³
Flashpoint:	non-flammable
Reaction to fire:	non-combustible in accordance with the regulation (Class A1)
Operating temperature:	750°C continuous /800°C peak (untreated panels)
Thermal resistance:	0.039 λ at 50°C, 0.050 λ at 150°C, 0.065 λ at 250 °C, 0.087 λ at 350°C
Bend radius:	3000 mm
Supplied in:	flat sheets
Dimensions:	KM BOARD V1 Panel 1000x600 mm, thickness 60 mm KM SEALER F Putty 310 ml (cartridge)
Packaging:	boxes of 4 panels
Storage:	Unlimited, if stored in original packaging at room temperature, away from moisture

APPLICATION

Easy to use and to install, non-polluting, can be easily cut and shaped according to any operational need with serrated blade; the panel is self-supporting, so it fits the shape and geometry of the various sections to be sealed.

APPLICATION AMOUNT

To make passive barriers, to seal openings in partitioning elements "EI 180"; the barrier involves the use of two panels coupled with an overall thickness of at least 120 mm; 4 panels are required to completely seal an opening with a cross section of 1 m²; the material consumption is reduced based on the volume occupied by the plants, which crosses the opening to be sealed. The required amount of material depends on the free area to be seal.

FURTHER INFORMATION

It does not require any precautionary measures for its use and handling

Classification and labeling:	the mixture does not require any special labeling
Danger symbols and indications:	none
Warnings:	none
Safety advice:	none