

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/m³ 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.

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.

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.

TECHNICAL DATA

Color:	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 50°C
Bend radius:	3000 mm
Supplied in:	flat sheets
Dimensions:	KM BOARD V1 Panel 1200x600 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

FURTHER INFORMATION	It does not require any precautionary measures for its use and handling
Classification and labelling:	the mixture does not require any special labelling
Danger symbols and indications:	none
Warnings:	none
Safety advice:	none