

## KERAFIX® Ceramic Paper

### Kerafix Ceramic Paper

Building material classification B1 according to DIN 4102, part 1

#### Product Description

Kerafix® Ceramic Paper is a paper-like product of non-combustible, inorganic filaments for sound, heat and fire-protection. *Special features:* Alongside various fields of application, e.g. car, ship and building construction, tapes with single-sided self-adhesion are excellent as holders and insulation for fireproof glazing for E and Ei class. The inorganic oxides permit applications up to 1.250° C.



#### Technical data Kerafix® Ceramic Paper

- Permanent application temperature: 1,250 °C
- Raw material: inorganic oxides
- Filament diameter: 2.5 µm
- Proportion of melting beads: less than 15%
- **Chemical composition (inorganic oxides, weight-%):**
  - SiO<sub>2</sub>: 53.1
  - Al<sub>2</sub>O<sub>3</sub>: 46.8
  - Oligo-elements: less than 0.1
- **Paper properties:**
  - Binder: acrylic/latex
  - Proportion of binders: 5% up to 10%
  - Density [kg/m<sup>3</sup>]: 210
  - Colour: white

#### Kerafix® Ceramic applications

- Automotive engineering, shipbuilding and civil engineering
- In fire stopping panes for G- and F-glazings as fastener and insulation in grooves

#### Insulation properties of Kerafix® Ceramic Paper

##### Average temperature - Thermal conductivity [W/mK]

120 °C 0.045

285 °C 0.071

455 °C 0.098

654 °C 0.128

Values determined according to BS 1902 part 1A (1966), chapter 12: thickness 25 mm.

#### Availability Kerafix® Ceramic Paper

Thickness: 0.5 mm, 1 mm, 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm und 10 mm

Width: 6 mm up to 1000 mm

Available as rolls, boards, strips, also with one-sided adhesive.