



**FIRE RESISTANT SEALANT MADE ON THE BASIS OF INORGANIC SILICATES. IT IS USED FOR QUICK REPAIRS OF FIREPLACES, STOVES, CHIMNEYS AND FIRE RESISTANT BRICK.**

### PROPERTIES

- Odourless.
- Asbestos free.
- Does not slump in vertical joints.
- Excellent adhesion on most construction materials [concrete, aluminium, fireclay brick, glass, steel and iron] without a primer.
- Good mechanical properties.
- Not suitable for sealing of dilatation joints.
- The sealant may not be exposed to rain or water even once cured.
- Temperature resistance between -20 °C and 1600 °C.
- Application at temperature range between +5 °C and +35 °C.
- It prevents fire, smoke and gas to spread.
- Colour: black.

### TESTS AND CERTIFICATES

REI 180

fire resistance

### USE

- It is used for gluing fire resisting materials where high temperature resistance up to 1600 °C and fire resistance are required: stoves, chimneys, cookers and sealing around pipes.
- It can be applied to concrete, aluminium, fireclay brick, glass, steel and iron.

### TECHNICAL DATA

Colour	black
Specific gravity	1800 ± 10 kg/m <sup>3</sup>
Temperature resistance	from -20 °C to +1600 °C
Application temperature	from +5 °C to +35 °C
Combustion temperature	non-flammable and non-combustible
Change in volume	approx. 35 %

### APPLICATION

#### Surface preparation:

The surface to be sealed must be hard, clean, dust and fat free. Remove all separated and badly attached pieces. Dam pen the surface prior to the application of sealant.

### **Joint and cartridge preparation:**

- Cut the cartridge at the top and screw on the nozzle, which has to be cut according to the width of the joint and placed in the gun. During work interruption release the handle on the gun and pull the piston back.
- Press the sealant well onto the surface and smooth it with a spatula or a wet cloth to remove any extra sealant before it gets cured.
- Sealant will cure for 24 hours; after this, it can be heated gradually.
- During the curing process small cracks can appear on the surface, which are the result of shrinkage. They can be removed by applying an extra layer which will adhere to the previous one.
- After work, rinse the tools thoroughly with water since it is very difficult to remove the sealant when it is cured.

### **PACKAGING**

- 300 ml cartridge.
- Other packagings are available by agreement.

### **STORAGE**

At least 12 months in a dry space at temperature range between 10°C and 25°C. Do not store near cold or hot objects.

### **HEALTH, SAFETY HANDLING AND DISPOSAL INFORMATION**

Additional information on safety, safe handling instructions and personal protective equipment as well as disposal information are available in a safety data sheet. Safety data sheet is available upon request. You can also ask your TKK distributor for a copy.

### **WARNING**

Instructions contained in this document are based on our research and experience, however, due to specific conditions and working methods we recommend that you perform preliminary tests prior to any application of our products.



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