

## 2K-Epoxy-System Type BL Ceramic



### liquid

**mineral-filled, extremely wear resistant**

**high temperature resistant from -35°C up to +180°C**

2K-Epoxy-System Type BL Ceramic is liquid, brushable, filled with silicon carbide and zirconium silicate, temperature-resistant up to +180°C and resistant to chemicals. It offers extreme wear protection and high abrasion resistance.

2K-Epoxy-System Type BL Ceramic is particularly suited for the lining of heavily stressed pump housings, as wear protection for slide bearings, slides, funnels and pipes and for the repair of castings, valves and blower fans. The product can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

Information about surface pre-treatment and processing can be found in the manual.

### Storage

Store 2K-Epoxy-System Type BL Ceramic at room temperature (but up to max. +25°C) in a dry place. Unopened containers can be stored for 18 months at temperatures from +18 to +25°C (Epoxy Resin Putty max. 3 years). Opened containers should be used within 6 months.

### Safety and health

When using products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

### Technical Data

Composition	Epoxy resin mineral-filled
Specific Properties	liquid, extremely wear resistant
Colour after curing	blue
Mixing ratio by weight resin/hardener	100:15
Density of the mixture (200g preparation)	1,8 g/cm³
Viscosity of the mixture	6.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,80 kg/m²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	40 min.
Curing time mechanical loads	16 h
Final strength after	24 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	85 Mpa
Bending	95 Mpa
E-Modul	7.000 - 8.000 Mpa
Shore D (ATSM D 1706)	83
Shrinkage	0,02 %
Thermoforming resistance	+80 °C
Temperature resistance	-35 to +180 °C

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