2K-Epoxy-System Type TI

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

*To achieve a permanently high temperature resistance, we recommend to temper-harden after 48 hours as detailed below: 3 h at +50°C, 2 h at +90°C, 2 h at +130°C, finally 1 h at +170°C

Storage

Store 2K-Epoxy-System Type TI 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.

pasty
titanium-filled
temperature-resistant up to +200°C (briefly up to +260°C)

2K-Epoxy-System Type TI is particularly suited for repair work when high pressure resistance and resistance to chemicals are required, such as for pumps, valves, wearing plates, ball bearing seats, shafts and propellers and also for the lining of pump housings and slide bearings.

2K-Epoxy-System Type TI can be used in machine and system construction, in apparatus engineering, and in many other industrial applications.

Technical Data

Composition	Epoxy resin titanium-filled
Specific Properties	putty, wear resistant
Colour after curing	grey
Mixing ratio by weight resin/hardener	100:33
Density of the mixture (200g preparation)	1,61 g/cm³
Viscosity of the mixture	550.000 mPa·s
Consumption at a coating thickness of 1,0 mm	1,61 kg/m²
Maximum layer thickness for each working step	10 mm
Pot life at +20°C (+68°F) 200g preparation	120 min.
Curing time mechanical loads	24 h
Final strength after	48 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	105 Mpa
Bending	100 Mpa
E-Modul	4.500 - 5.000 Mpa
Shore D (ATSM D 1706)	80
Shrinkage	0,02 %
Thermoforming resistance	+150 °C
Temperature resistance	-35 to +200 briefly to +260 °C