

2K-Epoxy-System Type HB 300

Temperature resistance

-35 to +200 briefly to +280 °C



pasty
steel-filled
high temperature resistant

2K-Epoxy-System Type HB 300 is pasty, steel-filled and high temperature resistant up to +200°C (briefly up to +280°C). It is processed with a mixing ratio of 1:1.

2K-Epoxy-System Type HB 300 is also suitable for applications on vertical surfaces and can be used for the repair and bonding of cast and metal parts, for filling in blow holes, for repairing damage to containers, carriages and machine parts and for sealing pumps and pipes.

2K-Epoxy-System Type HB 300 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 HB 300 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 steel-filled
Specific Properties	putty, high-temp. resistant
Colour after curing	dark-grey
Mixing ratio by weight resin/hardener	100:100
Density of the mixture (200g preparation)	2,34 g/cm³
Viscosity of the mixture	1.700.000 mPa·s
Consumption at a coating thickness of 1,0 mm	2,34 kg/m²
Maximum layer thickness for each working step	20 mm
Pot life at +20°C (+68°F) 200g preparation	30 min.
Curing time mechanical loads	12 h
Final strength after	24 h
Mean strength at +25°C (+77°F) acc. to DIN 53281-83 ASTM D 1002:	
Pressure	100 Mpa
Bending	42 Mpa
E-Modul	9.500 - 10.000 Mpa
Shore D (ATSM D 1706)	85
Shrinkage	0,015 %
Thermoforming resistance	+120 °C

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