

2K-Epoxy-System Type WR



liquid
steel-filled
wear resistant

2K-Epoxy-System Type WR is suitable for areas where metal parts are subjected to strong wear due to friction, as repairs and recasting of shafts, for pouring out bearings and cutting and punching tools, for the production of casting and profile milling models as well as drawing moulds, for under pouring machines and foundations and as a wear-resistant under layer before the final coating with 2K-Epoxy-System Type BL Ceramic.

2K-Epoxy-System Type WR can be used in machine construction, tool construction, model and mould making, and in many other industrial applications.

Technical Data

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| Composition | Epoxy resin steel-filled |
| Specific Properties | liquid, wear resistant |
| Colour after curing | black |
| Mixing ratio by weight resin/hardener | 100:15 |
| Density of the mixture (200g preparation) | 2,3 g/cm³ |
| Viscosity of the mixture | 20.000 mPa·s |
| Consumption at a coating thickness of 1,0 mm | 2,30 kg/m² |
| Maximum layer thickness for each working step | 10 mm |
| Pot life at +20°C (+68°F) 200g preparation | 45 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 | 110 Mpa |
| Bending | 80 Mpa |
| E-Modul | 5.000 - 5.500 Mpa |
| Shore D (ATSM D 1706) | 90 |
| Shrinkage | 0,02 % |
| Thermoforming resistance | +65 °C |
| Temperature resistance | -35 to +120 °C |

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

Storage

Store 2K-Epoxy-System Type WR 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.

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