

RECKLI[®] Epoxy K

Properties

Solvent free, unfilled colourless two-component liquid plastic on Epoxy resin base. Can be machined. High degree of mechanical properties, i.e. compressive and tensile strength. Low-stress, shrinkage-poor hardening.

Application

The manufacture of recesses and mould components which are subjected to high degrees of mechanical stress in engineering, tool manufacturing, moulding and modelling as well as in the ceramics and porcelain industries; base coat for bonding layers; by adding dry, powdery mineral or metal fillers it is possible to form various surface resins, groutings and rear fillers from RECKLI Epoxy K.

Ground level

Please see our separate pamphlet „General Surface Pretreatment Advices when using One- or Two-Component RECKLI-Resins“.

Processing

Please see our separate pamphlet „General Processing Advices for RECKLI-Two-Component Resins“.

Cleaning of tools

RECKLI Epoxy Cleanser, clean thoroughly, simply placing equipment in thinner is not sufficient.

Drum sizes

Double drums, hardener in drum lid,
12.5-kg; 5-kg; 1-kg;

Storage

Unopened drums are storable for 6 months after delivery date in closed stores at a temperature of approx. +18° C.

Please attend also our separate pamphlet “General Processing Advices for RECKLI-Two-Component Resins”.

Technical data

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| Mixing ratio by weight: | 4 parts basic material 1 part hardener |
| Colour: | brownish - transparent |
| Specific weight: | 1.1 g/cm ³ |
| Potlife: | approx. 60-70 mins. (200-g-mixture +21 ° C) |
| Working temperature: | +10 ° C to +30 ° C |
| Earliest loading: | approx. 24-48 hours according to temperature |
| Full mechanical and chemical loading: | after approx. 10 days |
| Heat resistance 7 days recirculated air +100 ° C: | heatproof |
| Shore D: | approx. 65 |
| Kugeldruckhärte: | 2-4 N/mm ² |
| Abrasion based on Taber: | 73 mg |
| Filling: | with RECKLI Filler L, oven-dry sands, metal powders, or similar admixtures can be made trowelable by adding RECKLI Standardizer 100 |
| Smoothing: | |
| Compressive strength according to DIN 1164, mixed with sand 0.2-1mm after 14 days' storage: | mixing ratio 4:1 25.5 N/mm mixing ratio 8:1 37.2 N/mm |
| Tensile strength under bending stress according to DIN 1164: | The test specimens deformed so much, during the tensile strength/bending stress test, that the test procedure had to be interrupted, because the material was more flexible than the machine could measure. |

These data are typical guide values. They are not destined for the generation of specifications.

Safety

Eyes and skin are to be safeguarded from material splashes. Please consult the relevant safety data sheet and attend to the indications on the label of the drum regarding Dangerous Goods Regulations.

This pamphlet is intended solely as an application directive. It does not claim to be binding and valid for all modes of application. We recommend the carrying out of a preliminary test application relevant to full scale application every time.

This pamphlet replaces all hitherto published pamphlets concerning RECKLI Epoxy K these no longer being valid.