

## RECKLI<sup>®</sup> Polymeric Resin EP

### Properties

Solvent-free, transparent two-component liquid plastic with a very low viscosity, long pot life but fast hardening.

### Application

RECKLI Polymeric Resin EP is a binder for manufacturing polymeric concrete with very good mechanical properties. The low viscosity allows high filling grades and an excellent workability of polymeric concrete. Other areas for application are: binder for high filled rear fillers of moulds in the ceramic and porcelain industry, of glass fibre chaff mixture for mould covers, of coupling layers filled with oven-dry sands or fibres and as laminate resin.

As fillers oven-dry quartz sands, quartz powders, calcium carbonate and light fillers like Liapor or RECKLI Filler L are to be used.

### Technical data

Basis:	Epoxy resin
Viscosity at +21 °C/base-A:	appr. 480 mPa. s
Viscosity at +21 °C/hardener-B:	appr. 40 mPa. s
Mixing viscosity at +21 °C:	appr. 250 mPa.s
Mixing ratio by weight:	4 parts of base 1 part of hardener
Potlife, 200-g-mixture at room temperature +21 °C:	80 minutes
Specific gravity, polymeric:	1.08 g/cm <sup>3</sup>
Shore D:	85
Hardness given by the dynamic indentation ball test:	120 N/mm <sup>2</sup>
Dimensional stability under heat according to Martens after 7 days polymerization at room temperature:	ca. +50 °C
+1 day malleablized in the heater at +40 °C:	ca. +75 °C
Temperature for processing:	+10 °C until +30 °C
Heat resistance, 7 days - +100 °C/ recirculated air:	stabil

### Hardening Process at appr. +21 °C room temperature, 100 g sample, sample thickness 9 mm

	Hardness given by the dynamic indentation ball test N/mm <sup>2</sup>
after 1 day	78
after 2 days	107
after 5 days	120
after 7 days	121
+1 day in the oven at +40 °C	121

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

**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“.

**Drum sizes**

10-kg and 5-kg pairs of cans (plastic cans), 1-kg-double tin

**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”.

**Cleaning of tools**

RECKLI-Epoxy Cleanser, clean thoroughly, simply placing equipment in the cleanser is not sufficient.

**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 lable 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 pamphlet concerning RECKLI-Polymeric Resin EP these no longer being valid.