

RECKLI[®] Epoxy PB

Properties

Solvent-free, transparent two-component liquid plastic with high thermal stability and very low viscosity.

Application

RECKLI-Epoxy PB is a binder for manufacturing polymeric concrete with very good mechanical properties. The low viscosity allows high filling grades and an excellent workability of the polymeric concrete.

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

Mixing ratio by weight:	4 parts basic material 1 part hardener
Mixing viscosity:	230 mPa.s at +21 °C
Potlife (200-g-mixture at +21 °C):	35 minutes
Specific gravity:	1.1 g/cm ³
Shore D:	84
Hardness given by the dynamic indentation ball test:	140 N/mm ²
Dimensional stability under heat according to Martens:	+88 °C to +90 °C

Hardening process at +21 °C	Shore D	Hardness given by the dynamic indentation ball test N/mm ²
after 1 day	77	80
after 3 days	81	128
after 7 days	83	138
after 7 days and 2 hours subjected to heat treatment at +75 °C	84	140

Polymeric concrete - contains 12% of RECKLI Epoxy PB sand mixing

Sand 0.5 - 1 mm	- 1000g
Sand H 33	- 1530g
Pigment powder	- 20g
RECKLI-Epoxy PB	- 360g

Examination of compressive strength and bending tension strength according to DIN 1164 and after 7 days of storage at +21 °C.

Compressive strength:	120 N/mm ²
Bending tension strength:	34 N/mm ²
Specific gravity:	2.02 g/cm ³

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 drums (plastic cans) and
1-kg-double tins

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 a receptable with 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 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 PB these no longer being valid.