

RECKLI[®] Electro Resin EP

Properties

Two-component epoxy resin with a long potlife and low-stress curing.

Application

RECKLI Electro Resin EP is used for casting large-volume construction parts. Normal standard epoxy resins often fail, if properties like low top temperatures, casting without bubbles and exactness of measurements are required.

Technical data

Mixing ratio by weight:	100 parts base component 35 parts hardener component
Specific gravity base component:	1.15 g/cm ³
Specific gravity hardener component:	0.96 g/cm ³
Specific gravity cured material:	1.13 g/cm ³
Viscosity at +20° C / base component:	1200 mPa.s
Viscosity at +40° C / base component:	320 mPa.s
Viscosity at +20° C / hardener component:	110 mPa.s
Viscosity at +40° C / hardener component:	60 mPa.s
Mixing viscosity at +20° C:	500 mPa.s
Mixing viscosity at +40° C:	190 mPa.s
Potlife at +21° C / 1000 g mixture:	approx. 4 hrs.
Dimensional stability under heat according to Martens:	+70° C
Heat resistance	
7 days at 100° C in oven with circulating air:	0.34% loss of weight
7 days at 150° C in oven with circulating air:	1.10% loss of weight
Hardness Shore D:	76-78
Hardness given by the dynamic indentation test:	110-120 N/mm ²
Linear shrinkage:	approx. 0.01-0.05%

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“.

Additional Processing Advice

Heat base component and hardener to +40° C mix according to the mixing ratio 100 weight parts base component and 35 weight parts hardener component in a clean PE-receptacle. Put the mixed resin into a second cup and stir again. After de-airing of the resin pour into a mould that was heated to a temperature of +40° C before.

Curing is to take place at room temperature, so that high top temperatures are avoided.

Drum sizes

13.5-kg-pair of cans:
10 kg base component and 3.5 kg hardener, packed in separate cans
4.05-kg-double drum
3 kg base component and 1.05 kg hardener component, packed in toptainer
0.675-kg-double tin
0.5 kg base component and 0.175 kg hardener, packed tin-in-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 equipment

For cleaning of tools and equipment used RECKLI Epoxy Cleanser is suitable. Thorough cleaning is necessary. Simply placing the tools into the cleanser is not sufficient.

Safety

Skin and eyes are to be safeguarded from material splashes. Please observe the indications on the label of the drums regarding Dangerous Goods Regulations and attend to the relevant safety data sheet.

This pamphlet is solely an application directive. It does not claim to be binding and valid for all modes of applications. 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 Electro Resin EP these no longer being valid.