

RECKLI® Flooring Resin EP

Properties

Unfilled, solvent-free, transparent, low viscosity two-component resin on epoxy base.

Application

RECKLI Flooring Resin EP is applied as artificial-resin binder for floor toppings and rough-cast grouting compound. The low viscosity grants an easy application and a high working performance. If fillers and additives are selected carefully liquid-tight floor toppings are achieved with a resin proportion of approx. 11 - 12 %.

RECKLI Flooring Resin EP is also suitable to be used as primer without any fillers being added. The resin mixture is painted onto the foundation by brush or by roll. Oven-dry quartz sand with aggregate sizes between 0.5 and 1.2 mm is spread into the fresh resin film. Before application of the following coats the sand that is not bound has to be eliminated by shovel respectively has to be taken up by a Hoover.

Suitable additives for floor toppings or grouting compounds are oven-dry quartz sands, corundum basalt granulation, quartz powders and powders of calcium carbonate.

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 equipment

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

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”.

Drum sizes

8-kg-pairs of drums (plastic cans) and 0.8-kg-double tins

Technical data

Mixing ratio by weight:	3 parts basic material 1 part hardener
Colour:	transparent
Specific gravity:	1.1 g/cm ³
Mixing viscosity at +21 ° C:	appr. 350 mPa.s
Potlife (200-g-mixture at +21 ° C):	appr. 40 - 50 minutes
Shore D:	appr. 73
Hardness given by the dynamic indentation ball test:	appr. 50 – 55 N/mm ²
Dimensional stability under heat according to Martens:	appr. +40 ° C
Earliest loading:	after appr. 24 - 48 hrs.
Chemical loading:	after appr. 10 - 12 days

Hardening process at +21 ° C	Shore D	Hardness given by the dynamic indentation ball test N/mm ²
after 1 day	not measurable	not measurable
after 3 days	63	20
after 7 days	72	47
after 14 days	74	53

Liquid-tight floor-topping mixture

8.00 kg sand 0 - 3 mm, oven-dry
0.80 kg Durcal 5
1.20 kg RECKLI Flooring Resin EP

Compressive strength of this floor topping according to DIN 1164:	48 N/mm ²
Tension bending strength according to DIN 1164:	36 N/mm ²
Specific gravity:	2.04 g/cm ³

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 or 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 Flooring Resin EP these no longer being valid.