

RECKLI[®] Rapid Epoxy Type LS

resin-bonded repair and adhesive mortar

RECKLI Rapid Epoxy Type
LS

Product 07035
Edition 01/23

PROPERTIES

RECKLI Rapid Epoxy Type LS is a solvent-free, liquid-tight, stable two-component mortar, based on epoxy resin. It shows high compressive and flexural strength as well as adhesive strength on concrete. On exposure to direct sunlight or UV irradiation, it is gradually yellowing; however, without degradation of mechanical properties.

APPLICATIONS

RECKLI Rapid Epoxy Type LS is suitable as a repair mortar for cementitious substrates and steel. It can be used for repairing and filling craters, holes, recesses or uneven spots. It is particularly suitable for adhering concrete components.

TECHNICAL DATA

property	value	method
mixing ratio (base : hardener):	9 : 1	(according to weight)
workable temperature:	+10 °C – +30 °C	
pot life (1000-g-mixture at +21 °C):	approx. 15 – 20 min	
earliest loading (at +21 °C):	24 – 48 h	
full chemical and mechanical loading after:	10 days	
density:	1,55 g/cm ³	
compressive strength (after 7 days):	55 – 60 N/mm ²	DIN 53454
flexural strength:	35 – 40 N/mm ²	DIN 53452
dimensional stability under heat:	40 °C	DIN 53462
colour:	grey	

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

SURFACE PREPARATION

The substrate must be stable, sound, dry, clean and free of oil, grease or wax. Concrete or other cement-based substrates should have a minimum age of 4 weeks. For adhesions with RECKLI Rapid Epoxy Type LS, priming is usually not necessary.

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PROCESSING

Before processing, the base component has to be stirred up thoroughly. Add the hardener (B) to the base component (A) and mix them homogeneously. In order to avoid mixing errors, the material on the walls of the mixing drum must be included in the mixing process as well. Once mixed, the processing of the material must be completed within the pot life (15 - 20 minutes). Mixing larger quantities decreases the processing time.

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CLEANING OF EQUIPMENT

For the cleaning of the tools and the equipment, use dry, absorbing cloths, if necessary RECKLI Epoxy Cleanser in addition. Immersion in solvents is not sufficient.

PACKAGING SIZES

drums/cans: 10 kg | 5 kg | 1 kg.

The hardener is enclosed in the drum in a separate bottle.

STORAGE

Store in a dry place at room temperature. RECKLI Rapid Epoxy Type LS is storable for 6 months from delivery when kept in the closed original packaging at about 18 °C. Opened drums must be closed airtight right after use.

SPECIAL REMARKS

Storage at low temperatures may cause partial crystallisation of the base component, even if only parts of the container are exposed to cold. In this case, the material can be melted in the closed container at 40 – 50 °C. When mixed up, it is usable again.

GENERAL INFORMATION

For further information please also see:

„General advice for the processing of RECKLI two-component resins“.

SAFETY

Protect skin and eyes from material splashes. Provide sufficient ventilation in the working place. Please consult the relevant safety data sheet and attend to the indications on the label of the package regarding the Dangerous Goods Regulation. This pamphlet is intended solely as an application directive. It does not claim to be binding and valid for all modes of application. A preliminary test under operation conditions is highly recommended.

This pamphlet replaces all previously published pamphlets concerning RECKLI Rapid Epoxy Type LS, stating them as no longer being valid.

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