

# RECKLI<sup>®</sup> Epoxy Mortar Type 3

resin-bonded repair and levelling mortar

RECKLI  
 Epoxy Mortar Type 3  
 Product 07144  
 Edition 01/23

## PROPERTIES

RECKLI Epoxy Mortar Type 3 is a solvent-free, liquid-tight, particularly stable two-component mortar, based on epoxy resin. It shows high chemical resistance as well as high compressive and flexural strength, in particular high initial strength.

## APPLICATIONS

RECKLI Epoxy Mortar Type 3 is suitable as a repair mortar for cementitious substrates. It can be used for repairing and filling broken off edges, holes and uneven surfaces in walls, steps or floorings, anchor holes in precast concrete parts, breaches in in-situ concrete or junctions of concrete pipes. It is particularly suitable for filling high vertical recesses.

## TECHNICAL DATA

property	value	method
mixing ratio (base : hardener):	25 : 1	(according to weight)
workable temperature:	+10 °C – +30 °C	
pot life (1000-g-mixture at +21 °C):	approx. 30 – 40 min	
earliest loading (at +21 °C):	24 – 48 h	
full chemical and mechanical loading after:	10 – 12 days	
density:	1,95 g/cm <sup>3</sup>	
compressive strength:	85 – 90 N/mm <sup>2</sup>	DIN 53454
flexural strength:	40 – 42 N/mm <sup>2</sup>	DIN 53452
colour:	grey	

### hardening progress (at 21 °C)

period	compressive strength	flexural strength
1 day	52 N/mm <sup>2</sup>	32 N/mm <sup>2</sup>
3 days	81 N/mm <sup>2</sup>	37 N/mm <sup>2</sup>
7 days	85 N/mm <sup>2</sup>	39 N/mm <sup>2</sup>
14 days	90 N/mm <sup>2</sup>	43 N/mm <sup>2</sup>
21 days	93 N/mm <sup>2</sup>	45 N/mm <sup>2</sup>
28 days	93 N/mm <sup>2</sup>	45 N/mm <sup>2</sup>

(prisms 4 cm × 4 cm × 16 cm, according to DIN 1164)

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 priming, a full coat of RECKLI Flooring Resin EP is applied by brush or by roller. To ensure a good bonding, RECKLI Epoxy Mortar Type 3 is best applied after 1 to 2 hours on the fresh primer. Alternatively sprinkle oven-dry quartz sand on the wet primer, making sure it is completely covered. Excess material must be thoroughly swept off or vacuumed the following day.

## **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 (30 – 40 minutes). Mixing larger quantities decreases the processing time.

## **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: 26 kg | 7,28 kg | 1,04 kg.

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

## **STORAGE**

Store in a dry place at room temperature. RECKLI Epoxy Mortar Type 3 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:

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„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 Epoxy Mortar Type 3, stating them as no longer being valid.

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