

RECKLI[®] Formliner Adhesive SO

adhesive for RECKLI structured moulds and formliners

RECKLI
Formliner Adhesive SO
Product 03518
Edition 01/23

PROPERTIES

RECKLI Formliner Adhesive SO is an elasticised, solvent-free, two-component epoxy resin with good adhesion to timber, steel and polyurethane elastomers.

APPLICATIONS

RECKLI Formliner Adhesive SO is used for low-tension adhesion of RECKLI formliners to conventional shutterings. Adhesion is even possible on humid (not wet) surfaces due to its special formulation. Once glued, the removal of the formliner is usually not possible without breaking.

TECHNICAL DATA

property	value	method
mixing ratio (base : hardener):	4 : 1	(according to weight)
workable temperature:	+10 °C – +30 °C	
pot life (200-g-mixture at +21 °C):	approx. 40 min	
earliest loading after:	24 h	
full mechanical loading after:	2 – 3 days	

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

SURFACE PREPARATION

The substrate must be stable, sound, clean and free of oil, grease or wax. The surface should preferably be dry, though a sufficient adhesion can also be achieved on a slightly humid substrate.

Steel formwork has to be ground or, better still, sand-blasted. The adhesion must be done before the steel starts rusting again. Any residues of grinding dust or oil must be removed completely.

Timber formworks need to have a sufficient capacity to bear load. Plastic-coated wood panels must be at least roughened by grinding or, even better, ground down to the wood substrate.

Before adhering, the back of the RECKLI formliner must be roughened by grinding. Make sure not to grind off too much material from high spots that are transmitted to the formliner's back at thick structure segments. This might provoke dints that

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are reproduced as buckles in the concrete's surface. The grinding dust must be removed completely by sweeping, blowing or vacuuming.

PROCESSING

Before processing, the base component has to be stirred up thoroughly. Add the hardener (B) to the base component (A) and mix them homogenously. Transfer the mixture into a second receptacle and stir it up again. Once mixed, the processing of the material must be completed within the pot life (approx. 40 minutes). Mixing larger quantities decreases the processing time.

For adhesions on inclined surfaces, RECKLI Standardizer 100 can be added to improve the RECKLI Matrix Adhesive SO's stiffness.

RECKLI Formliner Adhesive SO is best applied on one side only with a notched trowel (width: 2 – 3 mm). Always cover the complete surface. Within the processing time, the formliner is to be placed on the still fresh adhesive and aligned with light pressure. When placing the formliner, inclusions of air must be avoided. RECKLI formliners are subject to an inherent dimensional change due to their elasticity. Differences in length or width can be compensated by compressing or stretching as long as the adhesive is still fresh. The edges of the glued formliners must be fixed or weighted to avoid displacing or rising.

After 24 hours, RECKLI Formliner Adhesive is sufficiently cured to admit loading. Nevertheless, the full adhesive strength will first be achieved after 2 – 3 days. At temperatures below 10 °C, the adhesion must be protected against cold to ensure sufficient adhesive strength after 24 hours.

CONSUMPTION

750 – 1000 g/m²

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

pair of cans: 5 kg;

double cans: 2,5 kg | 1 kg (The hardener is enclosed in the lid.)

STORAGE

Store in a dry place at room temperature. RECKLI Formliner Adhesive SO 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.

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GENERAL INFORMATION

For further information please also see:

„General advice for the processing of RECKLI two-component resins”,
„Application Guideline for RECKLI Formliners”.

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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 Formliner Adhesive SO, stating them as no longer being valid.