

## RECKLI<sup>®</sup> Si-Compound 35 RECKLI<sup>®</sup> Si-Compound 35 “Rapid”

### Properties

Condensation-cure two-component silicone rubber, cold-cure, self-detaching, pourable, elastic, identical reproduction of even the finest surface textures. You cannot reach a brushable or pasty consistency by adding RECKLI Si-Thickener Liquid.

### Application

The manufacture of highly elastic matrices and moulds for the reproduction of models made of plaster, mortar, concrete, plastic resins and plastic resin combinations.

**Caution!** RECKLI Si-Components 35 and 35 “Rapid” are not absolutely resistant to polyester and PMMA resins. A preliminary test is essential.

### Surface

See separate pamphlet “General Surface Pretreatment Advices when using One- or Two-Component RECKLI Resins”.

### Processing

See separate pamphlet “General Processing Advices for RECKLI-Two-Component Resins”.

### Method of processing

Pour.

### Special advice

RECKLI SI-Compound 35 and 35 “rapid” shall not be used in combination with other silicones. Due to the plasticizers migration, any longer and direct contact with other silicone materials leads to serious distortion up to complete material disintegration.

To achieve an excellent result RECKLI Si-Compounds 35 and 35 “Rapid” contains moisture. If the drums are not closed well before storing or if they are stored completely open it is possible that the added humidity may evaporate. This effects longer reaction times and faults like sticky surfaces on the model side. This can be avoided by mixing water into RECKLI Silicone basic material; 1-2 g water per kg is sufficient. After all the drums must be closed well for at least 24 hours.

If the outer side of the rubber remains sticky it is an indication for insufficient humidity in the surrounding air. In this case it is necessary to get the sufficient percentage of humidity by suitable measures (sprayer, vapourizer, etc.). 50% relative humidity is the optimum. The addition of water by mixing in the basic material is not recommended in this case.

## Technical data

	Normal	Rapid
Mixing ratio by weight:	10 parts base component 1 part hardener	10 parts base component 1 part hardener
Hardener:	Typ G 35	Typ G 35 S
Colour hardener:	transparent	transparent
Colour basic material:	white	white
Colour mixture:	white	white
Specific weight:	1.0 g/cm <sup>3</sup>	1.0 g/cm <sup>3</sup>
Shore-A Hardness	approx. 35	approx. 35
Potlife: (200-g-mixture at a room temperature of +21 ° C):	approx. 45-60 mins.	approx. 10-15 mins.
Earliest stripping (at +21 ° C):	approx. 24 hrs	approx. 5 hrs
Earliest loading:	approx. 3 days	approx. 24 hrs
Elongation at break:	approx. 200%	approx. 200%
Tear resistance:	3 N/mm	3 N/mm
Working temperature:	+10 ° C to +30 ° C	+10 ° C to +30 ° C
Linear shrinkage after 7 days:	approx. 0.5%	approx. 0.5%
Length modification following temperature increase from +20 ° C to +85 ° C:	approx. 1.6%	approx. 1.6%
Shore A hardness under the effect of heat, temperature raised from +20 ° C to +80 ° C:	loss of Shore A hardness of approx. 5%	loss of Shore A hardness of approx. 5%
Heat resistance:	up to +80 ° C	up to +80 ° C

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

## Cleaning of equipment

In fresh condition, clean equipment thoroughly with RECKLI EK-PU-Thinner, simply placing equipment in thinner is not sufficient. When hardened, the material can be removed from tools due to the self-detaching effect.

## Storage

Unopened drums may be kept in closed stores at +18 ° C for 6 month from date of delivery. Also see “General Processing Advices for RECKLI-Two-Component Resins”.

## Drum sizes

Double drums, hardener in drum lid  
5-kg; 1-kg.

### Safety

Protect skin and eyes from material splashes. Please consult the relevant safety data sheet and attend to the indications on the label of the drums regarding Dangerous Goods Regulations.

This pamphlet is intended solely as an application directive. It does not claim to be binding and 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 Si-Compound 35 and RECKLI Si-Compound 35 "Rapid" these no longer being valid.