

RECKLI[®] PUR-Compound A 85

Properties

Flexible two-component liquid polyurethane, cold cure, wear-resistant, solvent-free.

Application

Manufacture of highly durable recesses and mould components in engineering, tool manufacture, moulding and modelling, e.g. moulds for cups and mugs in the ceramics industry.

Processing

See separate pamphlet „General Processing Advice for RECKLI-Two-Component Resins“.

Surface

The surface must be dry, clean, dust-, oil- and grease-free. Absorbent ground levels must be sealed with RECKLI PUR-Sealant when the surface is solvent resistant. Then RECKLI Mould Wax is to be applied 2-3 times. The wax coats must be absolutely dry before RECKLI PUR-Compound A 85 can be cast.

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

Method of processing

Pouring

Cleaning of Equipment

With RECKLI EK-PU-Thinner, clean thoroughly, simply placing equipment in thinner is not sufficient.

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,
10-kg; 4-kg; 0.8-kg.

Technical data

Mixing ratio by weight:	3 parts basic material 1 part hardener
Colour:	yellowish brown (natural colour)
Specific weight:	1.06 g/cm ³
Potlife:	approx. 2.5-3 mins. (200-g-mixture at a room temperature of +21 °C)
Working temperature:	+10 °C to +30 °C
Earliest demoulding:	after approx. 2-3 hours (at +21 °C)
Earliest loading:	after approx. 6 hours, optimum material properties are reached after approx. 10-12 days' storage at room temperature
Heat resistance:	
-dry heat:	until max. +65 °C
-under concrete:	
24 hrs. demoulding time:	until max. +60 °C
Shore-A DIN 53505:	85
Shore-D DIN 53505:	30
Viscosity	approx. 2700 mPa.s
Tensile strength DIN 53504-S2:	13 N/mm ²
Elongation at break DIN 53504-S2:	500%
Tear resistance	
ASTM D 624-B:	38 N/mm
Abrasion DIN 53516:	42.3 mm ³
Elasticity DIN 53512:	33%
Linear shrinkage:	approx. 0.1-0.2%

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 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 PUR-Compound A 85 these no longer being valid.