

RECKLI[®] PUR-Compound A85

castable two-component polyurethane, elastic, tough

RECKLI PUR-
Compound A85
Product 03055
Edition 01/23

PROPERTIES

RECKLI PUR-Compound A85 is a solvent-free, liquid two-component polyurethane, cold-curing, flexible and wear resistant.

APPLICATIONS

RECKLI PUR-Compound A85 is suitable for manufacturing fittings, moulds or moulded articles that are exposed to high pressure or high abrasion. It is used for machine or tool construction as well as for mould- or model-making.

TECHNICAL DATA

property	value	method
hardener:	for PUR-Compound 75, 85	
mixing ratio (base : hardener):	3 : 1	(according to weight)
workable temperature:	+10 °C – +30 °C	
viscosity of base compound	2700 mPa·s	ISO2555
pot life (200-g-mixture at +21 °C):	approx. 2,5 – 3 min	
earliest demoulding (at +21 °C):	2 – 3 h	
full chemical and mechanical loading after:	7 – 10 days	
density:	1,06 g/cm ³	
hardness:	85 Shore A	DIN 53505
hardness:	30 Shore D	DIN 53505
tensile strength:	13 N/mm ²	DIN 53504-S2
elongation at break:	500 %	DIN 53504-S2
tear resistance:	38 N/mm	ASTM D 624-B
elasticity:	33 %	DIN 53512
abrasion:	42,3 mm ³	DIN 53516
heat resistance (dry heat):	+65 °C	
heat resistance (under concrete):	+60 °C	
linear shrinkage:	0,1 – 0,2 %	

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

SURFACE PREPARATION

The model surface must be dry and clean. Absorbing surfaces should be sealed to facilitate the subsequent demoulding and to avoid inaccurate curing. For this,

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RECKLI PUR-Sealant can be used if the surface is solvent-resistant. Otherwise, especially if the surface has to be recovered in the original state, RECKLI Si-Stripping Lacquer can be applied and removed with water along with all residues after completing the moulding works. Afterwards, 2 – 3 layers of RECKLI Mould Wax are applied. Each layer has to dry completely.

Otherwise, when there is required a tight bond with the substrate, the surface must be roughened by grinding or treated with primer if necessary.

PROCESSING

Each contact with moisture must strictly be avoided. Before processing, the base component has to be stirred up thoroughly. Add the hardener (B) to the base component (A) and mix them homogeneously. Transfer the mixture into a second receptacle and stir it up again. Thereby the incorporation of larger amounts of air should be avoided. Once mixed the processing of the material must be completed within the pot life (2,5 – 3 minutes). The shortest demoulding time is 2 – 3 hours.

METHOD OF PROCESSING

Full cast or front cast.

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

double drums: 10 kg | 4 kg

double cans: 0,8 kg.

The hardener is enclosed in the lid.

STORAGE

Store in a dry place at room temperature. RECKLI PUR-Compound A85 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.

GENERAL INFORMATION

For further information please also see:

„General advice for making moulds and models using RECKLI two-component polyurethanes”.

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 PUR-Compound A85, stating them as no longer being valid.

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