

RECKLI[®] PUR-Elastomer Thix

polyurethane elastomer for application in vertical or overhead areas

RECKLI PUR-
Elastomer Thix

Product 03070
Edition 10/17

PROPERTIES

RECKLI PUR-Elastomer Thix is a solvent-free, rubbery-elastic, two-component polyurethane, cold-curing, almost shrinkage-free, after curing sliceable and grindable. It shows high chemical resistance against aqueous alkali, especially concrete. After an onset time of approx. 2 minutes, the thickening effect occurs. Subsequently, the material can be applied with a brush or a scraper up to 2 mm thickness on vertical areas in one step. Its standard colour is grey.

APPLICATIONS

RECKLI PUR-Elastomer Thix is used for manufacturing flexible models, fittings, formliners and moulds in vertical or overhead areas. Easy stripping of castings is enabled by using suitable RECKLI release agents. RECKLI PUR-Elastomer Thix is particularly suitable for making durable moulds for cast concrete.

TECHNICAL DATA

property	value	method
hardener:	for PUR-Elastomer Thix	
mixing ratio (base : hardener):	9 : 1	(according to weight)
workable temperature:	+15 °C – +30 °C	
pot life (200-g-mixture at +21 °C):	8 – 10 min	
full chemical and mechanical loading after:	7 – 10 days	
density:	1,4 g/cm ³	
hardness:	55 Shore A	DIN 53505
heat resistance (dry heat):	+65 °C	
heat resistance (under concrete):	+60 °C	
colour:	grey	

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. Therefore 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-

RECKLI GmbH
 Gewerkenstraße 9a
 D-44628 Herne
 Tel +49 2323 1706-0
 Fax +49 2323 1706-50
 info@reckli.de
 www.reckli.de

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.

RECKLI PUR-
Elastomer ThixProduct 03070
Edition 10/17

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. After the onset of the thixotropic effect it is applied by brush or by spatula. In this state, further vigorous stirring should be avoided. The maximum layer thickness per application is 1 – 2 mm. Further material can be applied after about 1 hour. The preceding layer should be still slightly sticky but sufficiently cured to bear the load of the following application. If the surface is completely cured, it must be roughened by grinding.

METHOD OF PROCESSING

Painting or trowelling.

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.

SPECIAL REMARKS

To ensure dimensional accuracy and maximum life period, moulds made of RECKLI PUR-Elastomer Thix are preferably stored in their supporting mould under admittance of air. Prolonged compression may lead to irreversible deformation. The moulds must be protected against UV irradiation and direct insolation.

PACKAGING SIZES

double drums: 20 kg | 10 kg | 5 kg;

double cans: 1 kg.

The hardener is enclosed in the lid.

STORAGE

Store in a dry place at room temperature. RECKLI PUR-Elastomer Thix 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:

RECKLI GmbH
Gewerkenstraße 9a
D-44628 Herne
Tel +49 2323 1706-0
Fax +49 2323 1706-50
info@reckli.de
www.reckli.de

„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.

RECKLI PUR-Elastomer Thix exclusively consists of components that are registered according to regulation 1907/2006/EU (REACH) or exempt from registration. It is free from contents according appendix XIV (SVHC) and mercury compounds.

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-Elastomer Thix, stating them as no longer being valid.

RECKLI PUR-
Elastomer Thix

Product 03070
Edition 10/17

RECKLI GmbH

Gewerkenstraße 9a
D-44628 Herne
Tel +49 2323 1706-0
Fax +49 2323 1706-50
info@reckli.de
www.reckli.de