

## RECK-o-lan 75 Type N RECK-o-lan 85 Type N RECK-o-lan 95 Type N

### Properties

Flexible two-component liquid polyurethane, solvent-free, cold cure, marginal shrinkage, wear-resistant, very high elongation at break, high tensile strengths and high tear strength.

### Application

Manufacture of highly durable recesses and mould components in engineering, tool manufacturing, moulding and modelling, where high wear resistance is requested.

### Processing

See "General Processing Advices for RECKLI-Two-Component Resins"

### Mould Preparation and Pre-Treatment of Foundation

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 RECK-o-lan can be cast.

See also our separate leaflet "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".

## Technical data

## RECK-o-lan Type N

	Unit	75	85	95
Basic Component - A				
-specific weight	g/cm <sup>3</sup>	1.12	1.14	1.10
-viscosity at 21 ° C	mPa.s	2300	2000	1800
Hardener component - B				
-specific weight	g/cm <sup>3</sup>		1.09	
-viscosity at 21 ° C	mPas		500	
Specific weight, polymerized	g/cm <sup>3</sup>	1,10	1,12	1,12
Mixing ratio by weight parts		2 : 1		
Potlife, 200 g mixture at +21 ° C	Minutes	6	5	4
Earliest demoulding at +21 ° C	Hours	24		
Full chemical and mechanical loading	Days	10-12		
Heat resistance				
-dry heat	° C	65		
-under concrete				
24 hours stripping time	° C	60		
Shore A - Hardness DIN 53505				
-after 24 hours		50	70	82
- after 2 days		65	79	89
- after 4 days		75	85	92
- after 1 week		76	86	94
- after 3 weeks		76	86	94
Shore D - Hardness		25	33	39
Shrinkage	%	0.1-0.25		
Tensile strength DIN 53504 ISO 37	N/mm <sup>2</sup>	9.5	10.3	10.7
Elongation break DIN 53504 ISO 37	%	470	400	300
Tear resistance DIN 53515 ISO 34	N/mm	28	32	47

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

#### Drum sizes

Double drums, hardener in drum lid, 7.5 kg, 3 kg and 0.75 kg

#### Safety

Eyes and skin are to be safeguarded 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 RECK-o-lan 75 Type N, RECK-o-lan 85 Type N and RECK-o-lan 95 Type N, these no longer being valid.