

## PRODUCT INFORMATION

# Körapur 140



**Elastic, moisture curing one part adhesive for primed and varnished metals, aluminium, wooden materials and duroplastics**

- For the vehicle-bodywork, containers and vehicle-construction
- Good resistant to humidity and weathering
- Resistant to temperatures from  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ) to  $+90^{\circ}\text{C}$  ( $190^{\circ}\text{F}$ ) (up to  $120^{\circ}\text{C}$  ( $250^{\circ}\text{F}$ ))
- Overpaintable with most varnishes.
- High stability
- Spreadable with a blade
- For a fast curing
- Even at low humidity, use our hardener „Köracur 100
- Please ask for separate product information

### Technical Data

Base	one component polyurethane, fully curing with humidity		
Colour	white (special colours on request)		
Density	approx. 1,2	g/cm <sup>3</sup>	
Viscosity	Pasty, spreadable with a blade or with a putty gun, low slump		
Time for skin formation	approx. 45	min.	DIN 50 014 / SA 23/50-2
Curing	approx. 3	mm (on the first day)	DIN 50 014 / SA 23/50-2
Change in volume	approx. 7	%	DIN 52 451
Shore A hardness	approx. 55		DIN 53 505
Elongation at tear	approx. 400	%	DIN 53 504
Tensile strength	approx. 4	N/mm <sup>2</sup>	DIN 53 504
Shear strength	approx. 3	N/mm <sup>2</sup> (at a layer thickness of 2 mm)	DIN 53 283
Tear propagation strength	approx. 7	N/mm	DIN 53 515

### PROCESSING

#### Processing temperature

+5 °C to +35 °C  
(40 °F to 95 °F)

#### Preparation

The surfaces to be bonded must be clean, dry and free of grease. Adhesion to and compatibility with plastic materials and lacquers must be individually tested.

For cleaning dirty surfaces, Körasolv PU or CR are recommended. In case of powder coated substrates Körasolv WL should be used. To improve bond strength on non-absorbant surfaces such as glass, glass-fibre reinforced plastics, plywood, aluminium, stainless steel etc., we recommend to apply our product Körabond HG 81. For absorbant surfaces such as wood, use Körabond HG 74.

For plastics, e. g. ABS or PVC, bond can be strengthened with Körabond HG 77 or HG 81.

Preliminary tests are required.

#### Bonding

The dimensions of the layer have to be designed for expected loads.

Join the parts within 10 minutes after application of adhesive and fix mechanically.

Curing speed depends on temperature, air humidity and dimensions of the seam (or joint).

**CLEANING**

Körasolv PU  
Clean tools immediately after use.  
Cured material can only be removed mechanically.

**SPECIAL NOTES****Storage**

Do not store at temperatures above 25 °C.  
When stored in unopened containers, usable up to 9 months.

**Precautions**

When using Körapur 140, avoid direct skin contact of the uncured material.  
Wear protective gloves.  
Follow the bulletin of handling PUR paints and primers issued by the Central Association of the Mutual Industrial Accident Insurance Funds, Central Office for Accident Prevention.

**SAFETY**

Please notice the indications on our EC-safety-data-sheets and the safety-indications on the labels of each product for the treatment of our products.

Especially the directions of the Dangerous Substance Regulation have to be respected.

Keep the EC-safety-data-sheet of the product you treat ready to hand. It gives you valuable indications for the safe usage, disposal and in case of accidents.

**PACKAGING UNITS**

310 ml aluminium cartridge (1 carton = 12 cartridges)  
600 ml sachets (1 carton = 12 sachets)  
20 l hobbock  
230 kg drum

**PRODUCT NUMBER**

C 12165

**For safety related data please refer to the safety data sheet!**

**Please note:** All given data are based on careful examination in our laboratories and our past practical experience. These are non-binding indications. Given the high number of materials appearing on the market and the different methods of use which are beyond our influence and control, we naturally cannot accept any responsibility for the results of your work, also with regard to third party patent rights. We recommend that sufficiently thorough tests be carried out to ascertain whether the product described will meet the requirements of your particular case. Please also note our Terms of Sale, Delivery and Payment. This Product information replaces all previous issues.



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DIN EN ISO 9001:2000  
Zertifikat: 01 100 044853  
ISO 14001:2004  
Zertifikat: 01 104 053913  
OHSAS 18001:1999  
Zertifikat: QA 05 116 4030