

Körapur 140



KÖMMERLING CHEMISCHE FABRIK GMBH

Elastic, one component moisture curing adhesive for bonding in the manufacture of containers, vehicles, vehicle bodywork

- For primed and painted metals, aluminium and steel, wood and duroplastics
- Good resistance to humidity and weathering
- Good resistance to temperatures from -40°C to +90°C (for short intervals, resistant up to +120°C)
- Non-sag properties
- Overpaintable after curing
- For faster curing system, we recommend the use of hardener Köracur 100
- Please ask for separate product information
- Spreadable

TECHNICAL DATA

Base	One component polyurethane, cures on exposure to atmospheric humidity		
Colour	White, grey, black (special colours on request)		
Viscosity	Paste, spreadable, non-sag properties		
Density	approx. 1.2	g/cm ³ (depending on colour)	DIN EN ISO 1183-1 ¹⁾
Time for skin formation	45	min	¹⁾
Curing	3	mm (on the first day)	¹⁾
Change in volume	7	%	DIN 52 451
Hardness Shore A	55		ISO 868 / DIN 53 505
Elongation at tear	400	%	ISO 527 / DIN 53 504
Tensile strength	4	N/mm ²	ISO 527 / DIN 53 504
Tear propagation strength	7	N/mm ²	ISO 34 / DIN 53 515
Shear strength	3	N/mm ²	ISO 4587 / DIN EN 1465 ²⁾
¹⁾ Normal Climate 23/50-2 DIN 50014			
²⁾ Layer Thickness 2 mm; Overlapping 10 mm; Testing Speed 100 mm/min			

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PROCESSING

Processing temperature

+15°C to +35°C

Preparation

The surfaces to be bonded must be clean, dry and free from dust and grease. For cleaning we recommend **Körasolv PU** or **CR**. In the case of powder coated substrates, **Körasolv WL** should be used.

To increase bond strength of non-porous substrates such as glass, glass-fibre reinforced plastics, aluminium, stainless steel, etc. we recommend the use of **Körabond HG 81**. For porous substrates such as wood, **Körabond HG 74 E** is recommended.

For certain plastics such as ABS or PVC we recommend the use of **Körabond HG 77** or **HG 81**.

Due to the diversity of substrates, preliminary tests are recommended.

CLEANING

Körasolv PU

Clean tools immediately after use.

Once cured, material can only be removed mechanically.

SPECIAL NOTES

Storage

Do not store at temperatures above +25°C.

Drum and hobcock: 6 months

Cartridge and sachet: 9 months

Precautions

When using **Körapur 140**, avoid direct skin contact of the uncured material. Wear suitable personal protective equipment (chemical resistant gloves/clothing).

Users should always refer to the Central Association of the Mutual Industrial Accident Insurance Funds, Central Office for Accident Prevention, when processing PUR-coating materials.

Bonding

The thickness of the layer will depend on the type of materials to be bonded. The materials should be pressed firmly together within the skin formation time. Due to the low initial tack, we recommend mechanical fixing until a complete cure is obtained. The cure time is dependent on temperature, humidity and the dimensions of the joint. For a faster curing system we recommend use of **Körapur 140** plus hardener **Köracur 100** which cures without water.

SAFETY

Please read our Safety-Data-Sheet and the labels of each product before use.

Pay particular attention to the directions given in the Dangerous Substance Regulations.

Make sure the safety data sheet is readily available as it gives valuable information regarding the safe usage and disposal of the product and what to do in the event of an accident involving the product.

PACKAGING UNITS

310 ml aluminium cartridge (carton à 12 pcs.)

600 ml sachet (carton à 12 pcs.)

23 kg hobcock

230 kg drum

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.



KÖMMERLING

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CERT

ISO 9001
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BS OHSAS 18001