

# Körapur 128 S



KÖMMERLING CHEMISCHE FABRIK GMBH

**Elastic one component adhesive and sealant for bonding in the manufacture of containers, vehicles, vehicle bodywork, air conditioning and heating equipment, metalwork, etc.**

- Good adhesion to primed and painted metals, aluminium and steel, wood and duroplastics
- Good resistance to humidity and weathering
- Overpaintable after curing
- Resistant to temperatures from -40°C (-40°F) to +90°C (190°F) (up to +120°C (250°F) for short intervals)
- Self-levelling
- can be used with booster Köracur 110 S

## TECHNICAL DATA

Base	Polyurethane one component, cures on exposure to humidity	
Colour	White, grey	
Viscosity	Liquid, self-levelling	
Density	Approx. 1,2 g/cm <sup>3</sup>	DIN EN ISO 1183-1 <sup>1)</sup>
Skin formation	30 min	1)
curing	3 mm (first day)	1)
Change in volume	<1 %	DIN 52 451
Hardness Shore A	40	ISO 868 / DIN 53 505
Elongation at tear	500 %	ISO 527 / DIN 53 504
Tensile strength	1,5 N/mm <sup>2</sup>	ISO 527 / DIN 53 504
Tear propagation strength	5 N/mm	ISO 34 / DIN 53 515
Building-material class	B2	DIN 4102 part 1 + part 4
<sup>1)</sup> standard climate 23/50-2 DIN 50014		

## PROCESSING

### Processing temperature

+15°C to +35°C  
(40°F to 95°F)

### Preparation

The surfaces to be bonded must be clean, dry and free from dust and grease. For cleaning we recommend **Körasolv PU**. 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**.

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

**Körapur 128 S** can be overpainted after skin formation. Adhesion and compatibility must be tested by preliminary trials. Please consider that the brittleness of the paint film may limit the elastic movement of the sealant and may lead to cracking of the paint. Thus, the curing reaction proceeds slower under the paint film.

Avoid direct contact with isocyanate reactive substances, especially alcohol such as spirit, dilutions and cleaning compounds until the adhesive has attained full cure. This will prevent the adhesive from curing properly.

By direct or indirect contact with some other organic products preliminary tests are recommended.

**Bonding**

The thickness of the layer depends on the expected mechanical movement.

Join the materials to be bonded within the skin formation time. Due to the low initial tack, we recommend mechanical fixing in some applications until a complete cure is obtained.

The curing is dependent on temperature, humidity and the dimensions of the joint.

By using the special hardener **Köracur 110 S** the product cures independent of humidity.

**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.

Drums: 9 months  
Cartridges and sachets: 12 months

**Precautions**

When processing **Körapur 128 S** avoid direct contact with the uncured material. Safety gloves are recommended.

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.

**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.

**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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