

Körapur 125

General Properties	Technology/Base	polyurethane
	Type of Product	adhesive and sealant
	Curing	moisture curing
	Mechanical Properties	elastic
	Components	one component
	Color	black, white, grey
	Product Benefits	high cold resistance high heat resistance excellent moisture resistance excellent weather resistance

Technical Data

Physical Properties		
Density	1.2 g/cm ³	DIN 53 479
Solid-Content by weight	94 %	-
Glass Transition Temperature	-45 °C	DIN EN ISO 6721-1
Specific Volume Resistance	> 1 · 10 ¹⁰ Ω·cm	Kö-Method 100262
Processing Guidelines and Parameters		
Storage Temperature	5 °C to 25 °C	-
Processing Temperature	15 °C to 35 °C	-
Required Squeezing Pressure	2 bar to 5 bar	-
Recommended Minimum Layer Thickness	2 mm	-
Curing		
Skin Formation Time ¹	45 min	Kö-Method 100109
Curing to Depth ²	3 mm/d	-
Change in Volume	6 %	DIN EN ISO 10563
Cured Mechanical Properties		
Shore Hardness (Type A) ³	48	ISO 868 / DIN 53 505
Tensile Strength	2.0 MPa	DIN EN ISO 527
Elongation at Break	500 %	DIN EN ISO 527
Young's-Modulus at 100 % Elongation	1 MPa	DIN EN ISO 527 / DIN 53 504
Lap Shear Strength ⁴	1.8 MPa	DIN EN 1465
G ₁₀ -Modulus	1.1 MPa	DIN EN 1465
Tear Resistance	9 N/mm	ISO 34 / DIN 54 504
Service Conditions		
Service Temperature	-60 °C to 90 °C	-
Short-term temperature resistance (max. 1 h)	120 °C	-

¹ within first 24 h; Climate according to DIN 50 014

² Climate according to DIN 50 014

³ after 28 d; thickness of specimen = 6 mm

⁴ substrates: aluminum/aluminum



Product Properties

Applications	Fields of Application	construction automotive transportation industrial assembly
Processing	Suitable Substrates	various galvanized steels various aluminum alloys various steel alloys duroplastics thermoplastics (except PE, PP, PTFE) various composite materials (e.g. CFRP, GFRP) mineralic materials glass wood coated surfaces
	Consistency	pasty non-sagging
	Surface Requirements	dry clean free of grease
	Surface Cleaning	Körasolv GL Körasolv PU Körasolv WL
	Adhesion Promoter (absorbing surface)	Körabond HG 74 E
	Adhesion Promoter (non absorbing surface)	Körabond HG 81
	Application Method	cartridge dispenser sachet dispenser dispensing system
	Product Overpaintability	after skin formation (depending on paint)
Cleaning	Cleaner for Tools	Körasolv GL Körasolv PU
Hints	Stress Cracking	Bonding and sealing of plastics, like PMMA, ABS, polycarbonate, polystyrene can cause stress cracks. Please ask your local sales office for products suitable for such applications.
	Compatibility with Polystyrene Foams	Not suitable for bonding polystyrene foams. Please ask your local sales office for products suitable for such applications.
	Avoid Contact with Isocyanate Reactive Substances	Avoid direct contact with isocyanate reactive substances, especially alcohol such as spirit, dilutions, cleaning compounds and fission products of silane-modified polymers or silicones until the adhesive has attained full cure. This will prevent the adhesive from curing properly.
	Resistance Against UV Radiation	Not suitable for glass bonding with permanent UV radiation to the bonding area. Please ask your local sales office for products suitable for such applications.



Additional Information

Storage

Körapur 125 should be used within the shelf life specified on the packaging. The storage stability only applies to material stored under appropriate conditions (original unopened containers, recommended storage temperature).

Safety

Please refer to the Material Safety Data Sheet (MSDS) for safety advice.

Preparation

For some substrates the use of mechanical pretreatment and/or cleaner or primer is necessary to achieve good adhesion. Refer to the product properties section of this data sheet for special surface requirements and suitable adhesion promoters.

Processing

Refer to the technical data table regarding processing parameters. Low temperatures can cause a temporary increase in viscosity resulting in reduced extrusion and slower curing rates.

Cleaning

Clean tools immediately after use. Once cured, the material can only be removed mechanically. Appropriate cleaners are listed in the product properties table. For further information please contact your local sales office.

Dimensioning

The required thickness of the adhesive layer depends on the expected maximum strength and joint movement. We recommend a minimum layer thickness of 2 mm.

Disposal

Please refer to the Material Safety Data Sheet (MSDS) for appropriate disposal instructions.

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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