



Körapur 140-2K

General Properties	Technology/Base	polyurethane
	Type of Product	adhesive and sealant
	Curing	polycondensation curing
	Mechanical Properties	elastic
	Parts	two part system
	Part A	Körapur 140
	Part B	Köracur 110 FR Köracur 110
	Colour	white, further colours on request
	Product Benefits	excellent moisture resistance excellent weather resistance cures also as one-component adhesive with humidity

Technical Data

Part A Körapur 140

Physical Properties		
Density	1.2 g/cm ³	DIN EN 542
Processing Guidelines and Parameters		
Storage Temperature	5 °C to 25 °C	

Part B Köracur 110 FR

Physical Properties		
Density	1.39 g/cm ³	DIN EN 542
Processing Guidelines and Parameters		
Storage Temperature	15 °C to 25 °C	
Mixing Ratio (Part A : Part B) by Volume	100 : 10	

Part B Köracur 110

Physical Properties		
Density	1.35 g/cm ³	DIN EN 542
Processing Guidelines and Parameters		
Storage Temperature	15 °C to 25 °C	
Mixing Ratio (Part A : Part B) by Volume	100 : 10	



General

Physical Properties		
Glass Transition Temperature	-45 °C	DIN EN ISO 6721-1
Processing Guidelines and Parameters		
Mixing Ratio (Part A : Part B) by Weight	100 : 12	with Köracur 110 FR
Mixing Ratio (Part A : Part B) by Weight	100 : 11	with Köracur 110
Processing Temperature	5 °C to 35 °C	
Recommended Minimum Layer Thickness	2 mm	
Curing		
Potlife	25 min	with Köracur 110, 23 °C
Potlife	7 min	with Köracur 110 FR, 23 °C
Change in Volume	-7%	DIN EN ISO 10563
Cured Material Characteristics		
Shore Hardness (Type A)	55	DIN ISO 7619-1, after 14 d
Tensile Strength	4 MPa	DIN EN ISO 527
Elongation at Break	400%	DIN EN ISO 527
Lap Shear Strength	3 MPa	DIN EN 1465, substrates: aluminum/aluminum
Tear Strength	7 N/mm	DIN ISO 34-1 Type B
Service Conditions		
Service Temperature	-40 °C to 90 °C	
Short-term temperature resistance	120 °C	

Product Properties

Applications	Fields of Application	automotive construction industrial assembly transportation
Processing	Suitable Substrates	various aluminum alloys duroplastics various composite materials (e.g. CFRP, GFRP) mineralic materials wood coated surfaces various other substrates
	Consistency	non-sagging pasty
	Surface Requirements	dry clean free of grease free of dust
	Surface Cleaning	Körasolv PU Körasolv WL
	Adhesion Promoter (absorbing surface)	Körabond HG 74 E
	Adhesion Promoter (non absorbing surface)	Körabond HG 81
	Application Method	via two part mixing and metering systems
	Product Overpaintability	Suitable for painting after curing



Cleaning	Cleaner for Tools	Körasolv PU
Hints	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.
	Stress Cracking	Preliminary tests must be carried out on plastics with a tendency to stress cracking. (PMMA, ABS, PC or PS)
	Compatibility with Polystyrene Foams	Not suitable for bonding polystyrene foams. Please ask your local sales office for products suitable for such applications.
	Supplementary Guidelines	Technical Information TI 018



Additional Information

Storage

Körapur 140-2K 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 read our Safety Data Sheet (SDS) and the labels of each product before use. The valid safety regulations must be considered.

Preparation

For some substrates the use of mechanical pre-treatment 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 Safety Data Sheet (SDS) for appropriate disposal instructions.

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