

# Technical data sheet



Product: 140

Manufacturer: H.B. FULLER

Product group: KLEBSTOFF

Article group: 1-K KLEBSTOFF

Download: 04.05.2024

## KÖRAPUR 140

This data sheet was provided to you by Tewipack Uhl GmbH. The company tewipack Uhl GmbH assumes no responsibility for the topicality and the Accuracy of the information contained. The properties of the products can vary due to various influences such as composition and condition of the Substrate, impurities in or on the substrate, temperature and humidity at the Change storage and environmental conditions during use. Using this product in combination with other material, the customer is responsible for to check through our own tests whether the product is suitable for the planned combination and whether this combination delivers the expected results

Tewipack Uhl GmbH  
Industriestraße 15  
D-75382 Althengstett

Telephone:  
+49(0)7051/9297-0  
Fax:  
+49(0)7051/9297-99

E-Mail:  
info@tewipack.de  
Website:  
www.tewipack.de

Managing director:  
Alexander Uhl,  
Michael Uhl  
HRB 330424  
Amtsgericht  
Stuttgart

Bank details:  
Sparkasse  
Sindelfingen  
Pforzheim  
Calw  
BLZ 666 500  
85  
Konto 17 787

Commerzbank  
Sindelfingen  
BLZ 603 400 71  
Konto 8 001 166

Vereinigte  
Volksbank AG  
Böblingen  
BLZ 603 900 00  
Konto 80 089  
003

Postbank  
Stuttgart  
BLZ 600 100  
70  
Konto 146  
294 708



# Körapur 140

<b>General Properties</b>	Technology/Base	Polyurethane (PU)
	Type of Product	Adhesive and sealant
	Curing	Moisture curing
	Mechanical Properties	Elastic
	Parts	One part system
	Colour	Black, white, grey
	Product Benefits	High cold resistance High heat resistance Excellent moisture resistance Excellent weather resistance

## Typical Technical Data

### General

<b>Physical Properties</b>		
Density	1.2 g/cm <sup>3</sup>	
Solid-content by weight	93%	
Specific Volume Resistance	$> 1 \cdot 10^{10} \Omega \cdot \text{cm}$	Kö-test method 100262
<b>Processing Guidelines and Parameters</b>		
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	
<b>Curing</b>		
Skin Formation Time	45 min	Kö-test method 100109, Climate according to DIN 50014
Curing to Depth	3 mm/d	within first 24 h; Climate according to DIN 50014
Change in Volume	-7%	DIN EN ISO 10563
<b>Cured Material Characteristics</b>		
Shore Hardness (Type A)	55	DIN ISO 7619-1, after 28 d; thickness of specimen = 6 mm
Tensile Strength	4.0 MPa	DIN EN ISO 527
Elongation at Break	400%	DIN EN ISO 527
G <sub>10</sub> -Modulus	1.3 MPa	DIN EN 1465
Lap Shear Strength	3.0 MPa	DIN EN 1465, substrates: aluminium/aluminium
Tear Strength	7 N/mm	DIN ISO 34-1 Type B
<b>Service Conditions</b>		
Service Temperature	-60 °C to 90 °C	
Short-term temperature resistance	120 °C	60 min



## Product Properties

<b>Applications</b>	Fields of Application	Automotive Construction Industrial assembly Transportation
<b>Processing</b>	Suitable Substrates	Various galvanized steels Various aluminium alloys Various steel alloys Duroplastics Thermoplastics (except PE, PP, PTFE) Various composite materials (e.g. CFRP, GFRP) Glass Mineralic materials Wood Coated surfaces
	Consistency	Non-sagging Pasty
	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 Equipment	Cartridge dispenser Sachet dispenser Dispensing system
	Product Overpaintability	After skin formation (depending on paint)
<b>Cleaning</b>	Cleaner for Tools	Körasolv GL Körasolv PU
<b>Hints</b>	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.
	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.



## Interested in More Product Options? - Just Get Our App



Automotive Interiors All Regions



Trailer EIMEA



Mobile Homes EIMEA



Bus EIMEA

## Additional Information

### Storage

Körapur 140 should be used within the shelf life specified on the packaging. The storage stability applies to material stored under appropriate conditions only (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 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 Safety Data Sheet (SDS) for disposal instructions.

**IMPORTANT:** Information, specifications, procedures and recommendations provided (information) are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is users sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. The user is advised to review the specific context of the intended use to determine whether the users intended use violates any law or infringes upon any patent(s). No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

**NOTE TO USER:** by ordering/receiving product you accept the **H.B. Fuller General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, (1) **the total aggregate liability of H.B. Fuller** for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, **is limited to replacement of affected products or refund of the purchase price for affected products.** (2) H.B. Fuller **shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses** arising out of or in connection with product supply. (3) Nothing in any term shall operate to exclude or limit H.B. Fullers liability for fraud, gross negligence or for death or personal injury caused by negligence, or for breach of any mandatory implied terms unless permitted by law.