



12 Industrial Chemicals

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	metals*	concrete, stone plasterboard, plaster	wood, wooden materials	polystyrene - hard foam	PU - soft foam	plastics*: PVC, ABS, PS
metals*	Körapox Körapur Köratac	Körapox Körapur	Körapur Köralit	Köracoll Körapur Köراتان	Körapren Köراتان Körapur	Köditac Körapox Körapur Köratac
concrete stone plasterboard plaster	Körapox Körapur	Körapox Körapur	Körapox Körapur Körapren Köracoll	Köracoll Körapur Köراتان Köramelt	Köراتان Köracoll Körapur Körapren	Körapox Körapur Köratac
wood, wooden materials	Körapur Köralit	Körapox Körapur Körapren Köracoll	Körapox Körapur Körapren	Köracoll Körapur Köراتان	Körapren Köراتان Köracoll	Körapox Körapur Köratac
polystyrene - hard foam	Körapur Köراتان Köracoll	Köracoll Körapur Köراتان Köramelt	Köracoll Körapur Köراتان	Köراتان Körapur Köramelt	Köراتان Köracoll Köramelt	Köراتان Köramelt Körapur
PU - soft foam	Körapur Köراتان Körapren	Köracoll Körapren Köراتان Körapur	Körapren Köراتان Köracoll	Köراتان Köramelt Köracoll	Köراتان Köracoll Köramelt	Köراتان Körapren Köramelt
plastic*: PVC, ABS, PS	Köditac Körapox Körapur Köratac	Körapox Körapur Köratac	Körapox Körapur Köratac	Köramelt Körapur Köراتان	Köراتان Körapren Köramelt	Köratac Körapur Körapop
rubber*: EPDM, CR, NBR, NR	Köratac Körapren	Ködiplast Körapren Köراتان Körapox Körapur	Körapren Köراتان Körapox	Köramelt Körapur Köراتان	Köراتان Körapren Köramelt	Körapren Köramelt Köraplast
PVC - soft foils	Köralit Köraplast Köratac	Köralit Köratac Köracoll	Köraplast Köralit Köratac	Köracoll Köramelt	Köraplast Köramelt Köracoll	Köraplast Köramelt Köracoll
leather, textile	Köralit Körapren Köracoll	Körapren Köraplast	Körapren Köraplast	Köracoll Köramelt Köراتان	Körapren Köraplast Köracoll	Köraplast Köralit Köramelt
glass, ceramics	Körapox GD Körapop	Körapox Körapop Ködisil	Körapox	Körapox	Available on demand	Körapox
PU - hard foam	Körapur	Köراتان Körapur Körapren	Köراتان Körapur Körapren	Köراتان Körapur Körapren	Körapren Köraplast Köracoll	Körapren Körapur Köراتان





	rubber*: EPDM, CR, NBR, NR	PVC - soft foils	leather, textile	glass, ceramics	PU - hard foam
metals*	Köratac Körapren	Köralit Köratac Köraplast	Köralit Körapren Köracoll	Körapox GD Körapop	Körapur
concrete stone plasterboard plaster	Ködiplast Körapren Köratan Körapox Körapur	Köralit Köratac Köracoll	Körapren Köraplast	Körapox Körapop Ködisil	Köratan Körapur Körapren
wood, wooden materials	Köramelt Köratan Körapox	Köraplast Köralit Köratac	Körapren Köraplast	Körapox	Köratan Körapur Körapren
polystyrene - hard foam	Köramelt Köratan Körapur	Köracoll Köramelt	Köracoll Köramelt Köratan	Körapox	Köratan Körapur Köramelt
PU - soft foam	Köratan Körapren Köramelt	Köraplast Köramelt Köracoll	Körapren Köraplast Köracoll	Available on demand	Körapren Köraplast Köracoll
plastic*: PVC, ABS, PS	Körapren Köramelt Köraplast	Köraplast Köramelt Köracoll	Köraplast Köralit Köramelt	Körapox	Körapren Körapur Köratan
rubber*: EPDM, CR, NBR, NR	Köraplast Körapren Köramelt Ködiplast	Köraplast Köramelt	Köraplast Körapren Köramelt	Körapox	Köraplast Körapren Köramelt
PVC - soft foils	Köraplast Köramelt	Köraplast Köralit Köramelt Köratac	Köraplast Köralit Köramelt	Available on demand	Köraplast Köratac Köramelt
leather, textile	Köraplast Körapren Köramelt	Köraplast Köralit Köramelt	Köraplast Köracoll	Available on demand	Köratan Körapren Köraplast
glass, ceramics	Körapox	Available on demand	Available on demand	Ködilán Körapox Ködisil GD	Körapox
PU - hard foam	Köraplast Körapren Köramelt	Köraplast Köratac Köramelt	Köratan Körapren Köraplast	Körapox	Körapur Köratan Köramelt

This table is intended to help you find, as quickly as possible, an adhesive system that can be used to join two materials together. Unfortunately, it is not possible to take into account all the materials that come into consideration. Therefore, we have limited ourselves to the most commonly used materials. For special combinations of materials, or for combinations not listed here, our staff will be happy to assist you. The brand names mentioned here, such as "Köraplast", refer to a product group in which special settings are made according to requirements and application techniques.

We can provide you with product information upon request.

KÖRAPUR 115 - KÖRAPUR 125

Elastic single-component sealant - adhesive for primed and painted metals, aluminium and steel, wood and hard plastics. For joining and bonding in the manufacture of containers, transport vehicles, bodies of transport bodies, air conditioning equipment, heating equipment, and so on.



TT-number	Name	Specifications	Colour
1211115.290	Körapur 115	cartridge 300 ml	white
1211115.291	Körapur 115	cartridge 300 ml	grey
1211115.292	Körapur 115	cartridge 300 ml	black
1211115.570	Körapur 115 s	salami 570 ml	grey
1211115.571	Körapur 115	salami 570 ml	white
1211115.572	Körapur 115	salami 570 ml	black
1211125.100	Körapur 125	cartridge 310 ml	white
1211125.150	Körapur 125	cartridge 310 ml	black
1211125.200	Körapur 125	cartridge 310 ml	grey
1211125.300	Körapur 125	salami 600 g	white
1211125.350	Körapur 125	salami 600 g	brown
1211125.360	Körapur 125	salami 600 g	grey
1211125.400	Körapur 125	salami 600 g	black
1211001.000	Nozzle for "salami"		

Physical properties

base material	polyurethane, single-component, moisture-cured	
colour	white, grey, black	
density	1.2 g/cm ³	
viscosity	paste-like, low-setting, spreadable compound, with the possibility of application with a putty gun	
curing	3 mm (after 24 hours)	
extension on interruption	450%	
tensile strength	2 N/mm ²	
drying time of the surface layer	45 minutes	
characteristic properties	elastic material, good resistance to moisture, weathering and temperatures ranging from -40°C to +90°C (up to +120°C for short intervals), possible to paint over after curing	
	KÖRAPUR 115 Elastic, single-component PUR sealant, also suitable for joining applications	KÖRAPUR 125 Elastic, single-component PUR sealant, also suitable for joining applications. Food contact certificate
Shore A hardness	50	48
volume change	7%	6%
resistance to further tearing	6 N/mm	9 N/mm
packaging units	290 ml aluminium cartridge 570 ml "salami"	310 ml aluminium cartridge 600 ml "salami" 23 kg barrel ("hobbock") 230 kg barrel

KÖRAPUR 128

Elastic single-component sealant - adhesive for primed and painted metals, aluminium and steel, wood and hard plastics. For joining in the manufacture of containers, transport vehicles, transport vehicle bodies, air conditioning and heating equipment, metal elements, and so on.

TT-number	Name	Specifications	Colour
1211128.006	Körapur 128 salami	600 g	white
1211001.000	Nozzle for "salami"		



Technical properties

base material	polyurethane, moisture-cured
density	1.2 g/cm ³
curing extension on interruption	3 mm (after 24 hours) 450%
tensile strength	2 N/mm ²
Shore A hardness	45
characteristic properties	elastic compound, good resistance to moisture, weathering and temperatures ranging from -40°C to +90°C (up to +120°C for short intervals), with the possibility of painting over after curing
	for a faster curing system, we recommend using Körapur 128 / two components plus Köracur 110 hardener
colour	white, roughly corresponding to RAL 9010
viscosity	self-levelling, easy to process
drying time of the surface layer	35 min.
processing time	-
volume change	9%
resistance to further tearing	6 N/mm
packaging unit	600 ml "salami"



KÖRAPUR 140

Elastic single-component sealant - adhesive for primed and painted metals, aluminium and steel, wood and hard plastics. For joining in the manufacture of containers, vehicles, vehicle bodies, air conditioning and heating equipment.



TT-number	Name	Specifications	Colour
1211140.000	Körapur 140	cartridge 310 ml	white
1211140.100	Körapur 140	salami 600 g	grey
1211140.200	Körapur 140	cartridge 310 ml	black
1211140.300	Körapur 140	cartridge 310 ml	grey
1211140.400	Körapur 140	salami 600 g	black

Technical properties

base material	polyurethane, moisture-cured
colour	white, grey, black
density	1.2 g/cm ³
viscosity	paste-like mass, low-setting
drying time of the surface layer	45 minutes
extension on interruption	400%
tensile strength	4 N/mm ²
shear strength limit	3 N/mm ² (at a layer thickness of 2 mm)
tear strength	7 N/mm
volume change	7%
Shore A hardness	55
characteristic properties	elastic material, good resistance to moisture, weathering and temperatures ranging from -40°C to +90°C (up to +120°C for short intervals). Possibility of painting over after curing. For a faster curing system, we recommend using Körapur 140 / two components plus Köracur 110 hardener
curing	3 mm (after 24 hours)
packaging units	310 ml aluminium cartridge 600 ml "salami" 23 kg barrel ("hobbock") 230 kg barrel



F647-PU Polyurethane automotive sealant 310 ml

A single-component, high modulus polyurethane sealant that cures by exposure to atmospheric moisture and must be used when rapid curing is necessary. It has excellent adhesion to sheet iron, aluminium, stainless steel, lead and copper. Can also be used for bonding and sealing ceramics, glass, wood and various plastic materials.

Functions

Fast curing. Permanently flexible. Non-declining consistency. Surface quickly non-stick / does not trap dirt. Easy to squeeze out and can be easily smoothed. Recoatable.

Areas of application

Construction of car bodies, containers, caravans, etc. Sealing and bonding of ventilation ducts, gutters and spouts. Sealing of sheet metal seams. For vibration reduction in all types of sheet metal assemblies. Sealing against water, air, gas and dust. Meets the requirements of the VOC content specifications in accordance with LEED EQc4.1 "Low Emission Products" of SCAQMD Rule 1168. Meets VOC requirements for Class A+.



TT-number	Name	Specifications	Colour
1200647.310	Polyurethane automotive sealant	Cartridge 310 ml	White

Technical properties

Base	Polyurethane
Consistency	Thixotropic
Curing mechanism	Curing by air humidity
Density	1.08 ± 0.03 g/ml
Without gluing	40 ± 10 min. (23°C and 50% r.h.)
Curing speed	min. 3 mm/day (23°C and 50% relative humidity)
Temperature resistance	-40°C to +90°C
Processing temperature	+5°C to +40°C

After curing

Shore A hardness	50 ± 5 after 28 days (ISO 868)
Recoatable	Yes
Extension on interruption	300% (ISO 37)
Tensile strength	min. 2.5 N/mm ² (ISO 37)



F645-PU POLYURETHANE AUTOMOTIVE SEALANT 600 ML

Single-component polyurethane sealant that cures when exposed to atmospheric moisture. It has excellent adhesion to sheet metal, aluminium, stainless steel, lead, copper, ceramics, glass, wood and various plastic materials.

FUNCTIONS

Permanently flexible. Non-flowing consistency. After the surface layer hardens, it is non-stick and does not trap dirt. Easy to squeeze out and can be easily smoothed. Recoatable. Meets the requirements of the VOC content specifications in accordance with LEED EQc4.1 "Low Emission Products" of SCAQMD Rule 1168. Meets French VOC requirements for class A+.

AREAS OF APPLICATION

Construction of car bodies, containers, caravans, etc. Sealing and bonding of ventilation ducts, gutters and spouts, etc. Sealing of sheet metal seams. For vibration reduction in all types of sheet metal assemblies. Sealing against water, air, gas and dust.



TT-number	Name	Specifications
1200645.310	Polyurethane automotive sealant	Salami 600 ml

TECHNICAL PROPERTIES

Base	Polyurethane
Consistency	Paste
Curing mechanism	Curing by air humidity
Density	1.18 ± 0.03 g/ml
Surface skin formation	20 - 25 min. (23°C and 50% r.h.)
Curing speed	min. 3 mm/day (23°C and 50% r.h.)
Temperature resistance	-40°C to +90°C
Processing temperature	+5°C to +40°C
Shore A hardness	45 ± 3 after 28 days (ASTM C661)
Recoatable	Yes - Due to the variety and quality of primers, compatibility tests should be performed

MECHANICAL PROPERTIES (ASTMD412)

Extension on interruption	400% (ASTM D412)
Tensile strength	min. 2.0 N/mm ² (ASTM D412)



ICEMA R145/12, structural PU adhesive

PRODUCT TYPE: Single-component solvent-free curing agent polyurethane adhesive.

AREAS OF APPLICATION: Bonding for various types of assembly work.

ICEMA R 145 Professional has very good adhesion to pre-treated metals such as zinc, steel, stainless steel, coated steel, aluminium, non-ferrous metals as well as thermoset plastics, DKS, PS, GF polyesters, hardened PVC, ABS, wood and cementitious materials.

NOTES: Due to the large number of different areas of application and possible differences in bond response, testing is required prior to use in production.



TT-number	Name	Specifications
1211145.000	ICEMA R145/12	1 kg

TECHNICAL DATA:

DENSITY (20°C): approx. 1.12 g/cm³

VISCOSITY (20°C): approx. 7000 mPa.s

OPEN TIME: (20°C, 50% relative humidity)

without water spraying: Approximately 40 minutes

after water spraying: Approximately 16 minutes

COLOUR: yellow

DANGER. PRODUCT CLASSIFICATION: see Safety Data Sheet

CLEANING PRODUCT: ISA thinner 1 (for cleaning equipment)

USAGE: 100 - 200 g/m², depending on the type of application

APPLICATION TEMPERATURE: minimum 10°C

LIFETIME: 12 months in a dry environment at -25°C and +30°C in unopened cartridges and containers

Protect from moisture. Opened containers must be sealed airtight and used up as soon as possible

KÖRAPUR 666 - KÖRAPUR 672

Reactive adhesive for assembly joints in vehicle manufacturing. Good adhesion to wood, aluminium and steel, hard plastics and some thermoplastics.



TT-number	Name	Specifications
1212666.000	Körapur 666 - components A + B	cartridge 350 g, it is necessary to use and order set 1212666.300
1212666.100	Körapur 666/90	package 6 kg comp. A
1220020.000	Körapur TH 650	package 1 kg comp. B
1212672.000	Körapur 672	barrel 300 kg
1212675.005	Körapur 672	bucket 10 kg
1212666.300	Mixing set with nozzle	for cartridge 1212666.000

base material	polyurethane, two-component product, solvent-free product
colour	beige
characteristic properties	good moisture and weather resistance, good adhesion to aluminium, wood, PVC (rigid) and GRP ("Glass-reinforced plastic")

	KÖRAPUR 666 Particularly suitable for joining floor elements in the manufacture of refrigerated transport vehicles	KÖRAPUR 672 Medium processing time, medium time between application and bonding ("open time"), good adhesion to wood
processing time	variable (3 to 90 minutes) on request also 60/45/30/25/20/18/8/5/3 min.	variable (20 to 80 minutes)
density	1.70 g/cm ³ (resin) 1.23 g/cm ³ (hardener) 1.63 g/cm ³ (mixture)	1.67 g/cm ³ (resin) 1.23 g/cm ³ (hardener) 1.60 g/cm ³ (mixture)
viscosity	50000 mPa.s (mixture)	about 8000 mPa.s (mixture)
mixing ratio	resin: hardener = 6:1 (by weight)	resin: hardener = 5:1 (by weight)
initial strength	12 to 16 hours (at 20°C and 90 minutes processing time)	8 hours (at 20°C and 60 minutes processing time)
shear strength limit	aluminium / wood 17 N/mm ² at -20°C 14 N/mm ² at +20°C 3.5 N/mm ² at +80°C	
packaging units	0.350 kg mixing cartridge 1 kg mixing unit 6 kg bucket 30 kg barrel ("hobbock") 300 kg barrel	5 kg bucket 30 kg barrel ("hobbock") 300 kg barrel 1300 kg container

Körapur 790/30

Two-component reaction adhesive for bonding steel, aluminium, hard PVC, glass and some glass fibre reinforced plastics.

- Bonding body parts, e.g. side panels, wheel arches and door panels
- Production of sandwich elements with PUR, rigid foam from PVC and PS



TT-number	Name	Specifications	Colour
1212790.030	Körapur 790/30	cartridge 250 ml	grey



Base material

polyurethane, solvent-free

Colour

Component A: anthracite
Component B: beige-brown

Density

Component - A 1.2 g/cm³
Component - B 1.6 g/cm³ DIN 53 479

Viscosity

Component A - no drop mPa.s
Component B - 18,000 mPa.s Brookfield RVT, Spindle 6/50 rpm
Mixture - no drop mPa.s
Mixture ratio A:B = 0.8:1 by weight; A:B = 1:1 by volume
Köracur TH 717 hardener
Processing time 30 min. Kömmerling - Norm 52 102
Hardness Shore D 76, DIN 53505
Tensile strength 18 N/mm² at +23°C

Processing temperature

+15°C to +25°C

Preparation

Bonded surfaces must be clean, dry and free of grease.

During processing, the resin and hardener are mixed and the mixing unit. The joint can then be subjected to light stress after 5 - 6 hours. Approximately 90% of the final strength is reached after 24 hours. Higher temperatures will shorten the curing time. Lower temperatures increase the curing time.

Clean the tools immediately after use with Körasolv PU. Avoid direct skin contact with uncured adhesive when processing Körapur 790/30. Wear protective gloves.

Dangerous fumes may form when the product is heated.

KÖRAPUR 840 - KÖRAPUR 842

Reactive adhesive for assembly joints in vehicle manufacturing. Good adhesion to aluminium and steel, hard plastic and some thermoplastics. Good damping properties.



TT-number	Name	Specifications	Colour
1212840.360	Körapur 840	cartridge 360 ml, it is necessary to use and order set 1211666.300	beige
1212842.360	Körapur 842	cartridge 360 ml, it is necessary to use and order set 1212666.300	beige
1212666.300	Mixing set with nozzle	for cartridge 121284x.360	

Hardener: TH650

base material	polyurethane, two-component product, solvent-free product
colour	beige
characteristic properties	good resistance to moisture and weather
mixing ratio	resin: hardener = 5:1 (by weight)

	KÖRAPUR 840 <i>For connecting floor rails, double-decker load rails, and so on</i>	KÖRAPUR 842 <i>Excellent impact resistance, non-leaking properties in thin layers</i>
processing time	variable (2/8/15/20/45 minutes)	variable (15/20/80 minutes)
initial strength	40 minutes to 8 hours at +20°C (depending on processing time)	3 to 12 hours at +20°C (depending on processing time)
density	1.55 g/cm ³ (resin) 1.23 g/cm ³ (hardener) 1.45 g/cm ³ (mixture)	1.50 g/cm ³ (resin) 1.23 g/cm ³ (hardener) 1.46 g/cm ³ (mixture)
viscosity	40000 mPa.s (mixture)	55000 mPa.s (mixture)
resistance to further tearing	aluminium / aluminium 24 N/mm ² at -20°C 16 N/mm ² at +20°C 4.4 N/mm ² at +80°C	aluminium / aluminium 13 N/mm ² at -20°C 9 N/mm ² at +20°C 3 N/mm ² at +80°C
packaging units	0.540 kg tandem cartridge 0.360 kg mixing cartridge 5 kg bucket 30 kg barrel ("hobbock") 300 kg barrel	0.360 kg mixing cartridge 300 kg barrel



Köracur TH 650 - comp. B for K 666 and K840/842

General properties

Base: Isocyanate
Product type: hardener

Technical specifications:

Density: 1.23 g/cm³ DIN EN 542

NCO content: 31%

Colour: brown

Storage temperature 10°C to 25°C

Viscosity 300 mPa with Kömmerling test method 100000



TT-number	Name	Specifications	Colour
1220020.000	Köracur TH 650	1 kg	brownish
1220020.030	Köracur TH 650	30 kg	brownish



KÖRAPOP 225 - KÖRAPOP 225 / two-component

Flexible one- or two-component adhesive sealant - adhesive based on "STP" ("silane terminated polymer") designed for the manufacture of transport vehicles, vehicle bodies, containers, air conditioners, heating equipment, metal elements, and so on.

Good adhesion to glass, many types of metals (zinc, aluminium, steel), painted and primed surfaces, wood, hard plastics and some thermoplastics. Food contact certificate. Excellent resistance to ultraviolet ("UV") radiation. Can be used without primer on many different base materials after cleaning.



TT-number	Name	Specifications	Colour
1211225.600	Körpop 225	salami 600 g	white
1211225.310	Körpop 225	cartridge 310 ml	white
1212225.000	Körpop 225/two-component	cartridge 220 ml	white
1211001.000	Nozzle for "salami"		

Technical properties

base material	"STP" ("silane terminated polymer"), cured by the action of moisture
colour	white (other colours on request)
density	1.44 g/cm ³
viscosity	paste-like mass, low-setting
drying time of the surface layer	25 minutes
extension on interruption	500%
tensile strength	3.0 N/mm ²
resistance to further tearing	20 N/mm (DIN 53 515)
Shore A hardness	42
characteristic properties	elastic material, good resistance to moisture, weathering and temperatures ranging from -40°C to +80°C (up to +120°C for short intervals). Can be painted over immediately after application. Free of isocyanates and silicones. To verify compatibility, adhesion to plastics and paints must be tested by performing preliminary tests. For faster curing we recommend the use of Körpop 225 / two-component plus Köracur 310 hardener



KÖRAPOP 235 - KÖRAPOP 240

Polymer "SM" ("silane modified") for the manufacture of vehicles, vehicle bodies and containers. Good adhesion to glass, many types of metal, primed and painted surfaces, wood, hard plastics and some thermoplastics. Excellent resistance to ultraviolet ("UV") radiation. Can be used without primer on a variety of substrates, after cleaning.



TT-number	Name	Specifications	Colour
1211235.000	Körapop 235	salami 600 g	white
1211235.310	Körapop 235	cartridge 310 ml	white
1211240.310	Körapop 240	cartridge 310 ml	white
1211240.600	Körapop 240	salami 600 g	white
1211001.000	Nozzle for "salami"		

base material	polymer "SM" ("silane modified"), single-component, moisture curable
colour	white (other colours on request)
viscosity	paste-like mass, low-setting
drying time of the surface layer	10 minutes
tensile strength	3.3 N/mm ²
characteristic properties	elastic material, good resistance to moisture, weathering and temperatures ranging from -40°C to +90°C (up to +120°C for short intervals). Possibility of painting over after curing. Free of isocyanates and silicones. To verify compatibility, adhesion to plastics and paints must be tested by performing preliminary tests

	KÖRAPOP 235 <i>Polymer "STP" ("silane terminated polymer"), spreadable material, excellent mechanical properties</i>	KÖRAPOP 240 <i>Good cataplastic properties</i>
density	1.44 g/cm ³	1.41 g/cm ³
extension on interruption	550%	430%
shear strength limit	2.2 N/mm ²	2.7 N/mm ²
resistance to further tearing	24 N/mm	21 N/mm
Shore A hardness	50	55
packaging units	310 ml PE cartridge 600 ml "salami" 25 kg barrel ("hobbock") 270 kg barrel	310 ml PE cartridge 600 ml "salami" 25 kg barrel ("hobbock") 270 kg barrel

KÖRAPOP 316 - KÖRAPOP 330

Polymer ("STP") for the manufacture of vehicles, vehicle bodies and containers. Good adhesion to glass, many metals, painted and primed surfaces, wood, hard plastics and some thermoplastics. Excellent resistance to ultraviolet ("UV") radiation. It can be used without primer on many different base materials.



TT-number	Name	Specifications	Colour
1211316.310	Körapop 316	cartridge 310 ml	white
1211330.310	Körapop 330	cartridge 310 ml	white
1211330.310	Körapop 330	salami 600 g	white
1211001.000	Nozzle for "salami"		

base material	silane terminated polymer ("STP"), cured by the action of moisture
colour	white (other colours on request)
viscosity	paste-like mass, low-setting
drying time of the surface layer	10 minutes
tensile strength	3.3 N/mm ²
characteristic properties	elastic material, good resistance to moisture, weathering and temperatures ranging from -40°C to +90°C (up to +120°C for short intervals). Possibility of painting over after curing. Free of isocyanates and silicones. To verify compatibility, adhesion to plastics and paints must be tested by performing preliminary tests

	KÖRAPOP 316 <i>STP ("silane terminated polymer"), spreadable and sprayable, excellent mechanical properties</i>	KÖRAPOP 330 <i>High initial strength</i>
density	1.44 g/cm ³	1.60 g/cm ³
extension on interruption	550%	200%
shear strength limit	2.2 N/mm ²	1.3 N/mm ²
resistance to further tearing	24 N/mm	10 N/mm
Shore A hardness	50	58
packaging units	310 ml PE cartridge 600 ml "salami"	310 ml PE cartridge 600 ml "salami"



Körapop transparent

Solvent-free, elastic single-component sealant for vehicle bodywork, containers and vehicle manufacturing, air conditioning, heating equipment, metal fabrication, etc.

- Good adhesion to glass, many types of metals, including painted ones
- Good moisture and weather resistance
- Withstands temperatures from -40°C to +90°C (up to +120°C in short intervals)
- Good adhesion to wooden materials, duroplasts, thermoplastics (except PE, PP, PTFE, PS, PC and some types of ABS) and mineral substrates



TT-number	Name	Specifications	Colour
1211241.300	Körapop	310 ml	transparent

TECHNICAL DATA

Base material: POP compound polymer, moisture curing

Density 1.01 g/cm³

Paste-like viscosity, spreadable, good stability

Curing speed 3 mm (24 hours), thicker layers require longer curing time DIN 50 014, NK 23/50-2

Skin formation time 10 min. DIN 50 014, NK 23/50-2

Weight change 1 (14 d)% DIN 50 014, NK 23/50-2

Hardness Shore A 35, sample thickness 6 mm, after 4 weeks, DIN 53 505, NK 23/50-2

Tensile breaking strength 300% (NSt. S3A) DIN 53 504

Tensile strength 2.0 N/mm² (NSt. S3A) DIN 53 504

Working temperature: +5°C to +30°C

Preparation

Bonded surfaces must be clean, dry and free of grease. Adhesion and compatibility is individual, we recommend testing when used on plastic or paint. Transparent Körapop can be used without primer on most materials. To strengthen the bond of absorbent materials such as wood and concrete, we recommend using our Körabond HG 74 E primer.

The thickness of the layer depends on the type of material to be bonded and the expected stresses.

The cure rate depends on the thickness of the adhesive layer, temperature and humidity.



Körpop ALU

Solvent-free, elastic single-component sealant for vehicle bodywork, containers and vehicle manufacturing, air conditioning, heating equipment, metal fabrication, etc.

- Good adhesion to glass, many types of metals, painted and base materials
- Good moisture and weather resistance
- Withstands temperatures from -40°C to +90°C (up to +120°C in short intervals)
- Good adhesion to wooden materials, duroplasts, thermoplastics (except PE, PP, PTFE, PS, PC and some types of ABS) and mineral substrates



TT-number	Name	Specifications	Colour
1212241.310	Körpop ALU	310 ml	aluminium
1212241.600	Körpop ALU	600 ml	aluminium

TECHNICAL DATA

Basic POP compound polymer, moisture curing

Colour: aluminium

Density: 1.08 g/cm³

Paste-like viscosity, spreadable, good stability

Curing speed: 3 mm (24 hours), thicker layers require longer curing time DIN 50 014, NC 23/50-2

Skin formation time 15 min. DIN 50 014, NC 23/50-2

Weight change 1% (14 d) DIN 50 014, NC 23/50-2

Hardness Shore A 40, sample thickness 6 mm, after 4 weeks DIN 53 505, NC 23/50-2

Tensile breaking strength 280% (NSt. S3A) DIN 53 504

Tensile strength 3.1 N/mm² (NSt. S3A) DIN 53 504

Working temperature: +5°C to +30°C

Preparation:

Bonded surfaces must be clean, dry and free of grease. Adhesion and compatibility must be individually tested when used on plastics or paint. Körpop ALU can be used on most materials without primer. To strengthen the bond of absorbent materials such as wood and concrete, we recommend using our Körabond HG 74 E primer. In this case, preliminary tests are necessary.

Application:

Apply Körpop ALU with a spatula on the base layer with thickness depending on the type of material to be bonded and the expected movement. Join the second material within 10 minutes and press. It is recommended to fix the glued materials until the glue has cured. The speed depends on the thickness of the adhesive layer, temperature and humidity.



Körapop 225/2K

Flexible two-component adhesive sealant - adhesive based on "STP" ("silane terminated polymer") designed for the manufacture of transport vehicles, transport vehicle bodies, containers, air conditioning equipment, heating equipment, metal elements, and so on. Good adhesion to glass, many types of metals (zinc, aluminium, steel), painted and primed surfaces, wood, hard plastics and some thermoplastics.

Food contact certificate. Excellent resistance to ultraviolet ("UV") radiation.

Can be used without primer on many different base materials after cleaning.



TT-number	Name	Specifications	Colour
1212225.000	Körapop 225/2K	220 ml	black
1212225.049	Körapop 225/2K	490 ml	black
1212225.149	Körapop 225/2K	490 ml	grey
1212225.249	Körapop 225/2K	490 ml	white



Ködisil N

General properties

Base material: silicone rubber (single-component)
Product type: adhesive and sealant
Curing: by moisture (oxime system)
Elastic mechanical properties
Colour: white, grey, dark brown
Product benefits: excellent weather resistance

Technical data: physical properties

Density: 1.27 g/cm³ DIN 53 479

Processing instructions and parameters:

Storage temperature 15°C to 25°C
Processing temperature 10°C to 30°C
Required pressure for pressing 2 bar

CURING

Skin formation time: 6 min. Kö-Method 100109
Mechanical properties after curing:
Shore Hardness: (Type A) 1 24 ISO 868 / DIN 53 505
Tensile strength: 0.6 MPa DIN 52455
Maximum movement ability 25%
Operating temperature -40°C to 160°C

Processing of suitable base materials of various aluminium alloys, various steel alloys, many thermoplastics (except PMMA), thermoset plastics, glasses, concrete, stones, various ceramics, wood and various other substrates

Tested according to EN 15651-1 (type EXT-INTCC)
Tested according to EN 15651-2 (type G-CC)
According to DIN 18545-2, group E
Colour compatibility according to DIN 52452-4
Tips: Special tips treated with fungicide



TT-number	Name	Specifications	Colour
1220100.310	Ködisil N	Cartridge 310 ml	transparent
1220100.600	Ködisil N	Salami 600 ml	transparent
1220101.310	Ködisil N	Cartridge 310 ml	white
1220101.600	Ködisil N	Salami 600 ml	white

F915-SN SILICONE SEALANT NEUTRAL B 310 ML

Neutral curing, highly durable silicone sealant, made exclusively for glazing and sealing against weather. Creates a weatherproof seal on windows and building façades.

FUNCTIONS

Provides lasting elasticity thanks to its 100% silicone formula. Flexibility is not affected by exposure to sunlight, rain or snow and is maintained for many years. The sealant is exceptionally resistant to extreme temperatures and is almost odourless. It has high adhesion to many porous and non-porous materials. FX915N cures well and does not corrode metal materials.

AREAS OF APPLICATION

Premium weather sealing and joint sealing for walls, windows and doors. Sealing and installation of window and door frames. Sealing of marble, stone and other porous base materials. Sealing of joints and expansion joints. Suitable for large glazing structures.



TT-number	Name	Specifications	Colour
1200915.312	Silicone sealant neutral B	Cartridge 310 ml	Black
1200915.310	Silicone sealant neutral B	Cartridge 310 ml	White

TECHNICAL PROPERTIES

Base	Silicone Polymer (Oxime)
Curing system	Neutral (moisture curing)
Density	1.02 ± 0.03 g/ml (ASTM D 792), (Transparent and aluminium) 1.20 ± 0.03 g/ml (ASTM D 792), (Other colours)
Shore A hardness	17 - 25 (after 28 days), (Transparent and aluminium) 22 - 32 (after 28 days), (Other colours)
Tensile strength	0.4 N/mm ² (23°C and 50% r.h.) (ISO 8339)
Skin formation	5 - 10 min. (23°C and 50% r.h.)
Curing speed	min. 2.5 mm/day (23°C and 50% relative humidity)
Extension on interruption	400% (ASTM D412), (Transparent and aluminium) 350% (Other colours)
Temperature resistance	-60°C to +180°C
Processing temperature	+5°C to +40°C



SILICONE SEALANTS

F100-SV SILICONE SEALANT FOR CONTACT WITH WATER 310 ML

Non-toxic, single-component, solvent-free silicone sealant for use in aquariums and other water tanks and for general glazing. High quality acetate based silicone sealant with excellent adhesion to glass and many other non-porous surfaces.

FUNCTIONS

Very good bonding strength. Fast curing. Non-toxic to fish and other living organisms. Cures with air humidity. Remains flexible at low and high temperatures. Resistant to many chemicals and UV radiation.

AREAS OF APPLICATION

Bonding, sealing and repair of aquariums and other water tanks. Application on glass.



TT-number	Name	Specifications	Colour
1200100.313	Silicone sealant for contact with water	Cartridge 310 ml	Transparent

TECHNICAL PROPERTIES

Base	100% Silicone Polymer
Curing system	Acetate
Density	1.02± 0.03 g/ml
Shore A hardness	24 - 30 (after 28 days)
Tensile strength	0.4 N/mm ² (ISO 8339)
Skin formation	7 - 13 min. (23°C and 50% r.h.)
Curing speed	min. 3 mm/day (23°C and 50% relative humidity)
Extension on interruption	250% (ASTM D412)
Temperature resistance	-50°C to +200°C
Processing temperature	+5°C to +40°C
Elastic recovery	100% (ISO 7389)
Bend	0 mm (ISO 7390)
Change in volume	<5% (ISO 10563)



F100-SU UNIVERSAL ACETATE SILICONE 280 ML

Single-component silicone sealant for a range of general sealing and glazing applications. Provides adhesion and is suitable for use on common non-porous building materials.

FUNCTIONS

After curing, it remains permanently flexible at low and high temperatures. Resistant to extreme temperatures. Resistant to ageing, cracking and yellowing. Good mould resistance.

AREAS OF APPLICATION

Seals around windows and doors. Sealing and grouting in bathrooms, kitchens and plumbing applications. Joining and expansion joints on glass, porcelain, steel, etc. Sealing of electrical and telephone sockets and switches.



TT-number	Name	Specifications	Colour
1200101.283	Silicone sealant neutral B	Cartridge 310 ml	Transparent
1200101.282	Silicone sealant neutral B	Cartridge 310 ml	Black
1200101.280	Silicone sealant neutral B	Cartridge 310 ml	White

TECHNICAL PROPERTIES

Base	Silicone polymer
Curing system	Acetate, air humidity
Density	0.96 - 0.98 g/ml (ASTM D 792)
Shore A hardness	15 - 25 (after 28 days)
Tensile strength	0.7 N/mm ² (ASTM D 412)
Skin formation	8 - 20 min. (23°C and 50% r.h.)
Curing speed	min. 2.5 mm/day (23°C and 50% relative humidity)
Extension on interruption	350% (ASTM D 412)
Processing temperature	+5°C to +40°C



Köditec 114

Silicone rubber with high temperature resistance

- Temperature resistance up to +250°C (long-term)
- Temperature resistance up to +350°C (short-term)
- High mechanical strength
- Excellent resistance to engine oil and coolants
- Bonding of glass plates for furnaces
- Production of thermal protection units
- Sealing parts and equipment at high temperatures
- FIPG (Formed in place gasket)

Köditec 114 adheres to a large number of surfaces such as aluminium, non-ferrous heavy metals, steel, glass, glass cloth, ceramics and other materials. (Do not use on galvanized steel and non-ferrous metals).

The product is very resistant to weathering and ageing and also largely resistant to many kinds of solvents, oils, industrial dirt, dilute acid, salt solvents, detergents and fruit acids.

Base: single-component silicone, acid curing by moisture, solvent-free

Colour: anthracite

Consistent paste, does not run

Density 1.16 g/cm³ DIN 53479, +23°C

Skin formation time: 5 min. DIN 50014 - 23/50-2

Shore Hardness: A 50 DIN 53 505*

Tensile strength: 2.6 N/mm² DIN 53 504, S 3 A*

Tensile breaking strength: 300% OF DIN 53 504, S 3 A*

Temperature resistance: -40 to +250°C (short term up to +350)

* Vulcanised material, tested after 14 days of storage in normal climate DIN 50 014 - 23/50-2



TT-number	Name	Specifications	Colour
1220030.000	Köditec 114	Cartridge 310 ml	anthracite



KÖRACOLL WB 20 - KÖRACOLL 3350

All-purpose adhesive for bonding applications in passenger vehicle constructions, including floor and wall coverings, noise and thermal insulation, and decorative laminates to each other, as well as to wood, sheet metal, GRP ("glass-reinforced plastic") and PUR elements, as well as to painted surfaces. Universal adhesive for various applications.



TT-number	Name	Specifications	Colour
1213020.010	Köracoll WB 20	bucket 14 kg	white
1213350.050	Köracoll 3350	bucket 5 kg	white



TECHNICAL PROPERTIES

colour	white
density	1.0 g/cm ³ (at +23°C)
characteristic properties	Filling properties, tenaciously flexible, very resistant to moisture, good temperature resistance up to about +110°C

	KÖRACOLL WB 12 <i>Universal adhesive for a wide range of applications</i>	KÖRACOLL 3350 <i>Suitable for low temperature activation</i>
base material	EVA ("ethylene vinyl acetate") / acrylic ester copolymer with self-crosslinking parameters	polyurethane
viscosity	14000 mPa.s, with roller, spatula and brush application options	5000 mPa.s
solids content	78%	49%
hardener	-	product Köracur D group
mixing ratio	-	100:5
processing time	20 - 80 min.	8 hours
activation temperature		approx. +45°C (depending on intermediate storage)
consumption	250 to 400 g/m ² (depending on the base)	60 to 120 g/m ² (depending on the base)
packaging units	14 kg plastic bucket	5 kg bucket

Körplast SF

Körplast SF is a universal single- or two-component adhesive based on cold contact adhesive

- For bonding leather, textile, PVC, ABS, PUR, rubber or crepe materials, as well as halogenated TR. Suitable for bonding PVC vehicle tarpaulins, latex soles of sports shoes and rubber parts
- Cold bonding 5 - 20 minutes after adhesive application
- Especially suitable for extremely strained contacts



TT-number	Name	Specifications	Colour
1220051.060	Körplast SF	60 g	transparent
1220051.000	Körplast SF	600 g	transparent

TECHNICAL DATA

Basic polyurethanes, contains solvent

Colour: transparent

Density: 0.9 g/cm³

Viscosity: 2700 mPa.s

Köracur TR 280 hardener

Processing time 6 - 8 h (with Köracur TR 280)

Drying time:

5 - 20 min. (without hardener)

20 - 90 min. (with hardener)

after exceeding the drying time, the adhesive film on one side of the joint must be activated at +40°C to +50°C

Processing temperature

SF Körplast and the connecting elements must be processed at temperatures not lower than +18°C.

Subcooled adhesive should be warmed for at least 3 days at temperatures between +25°C and +35°C (not open flame) and mixed well before use. For PUR materials, we recommend the Kö-PUR primer. PVC must be cleaned and degreased. TR soles and rubber materials must be halogenated Halosol S or Halosol 6 products.

To improve resistance to heat, moisture, oil, grease, add 5 - 10% Köracur TR 280 hardener.

Paint the glued surfaces (observing the processing time).

Leather and other absorbent materials must be painted twice.

Cold gluing: wait 5 - 20 minutes for partial drying, fix the materials and press.

When the cold contact time is exceeded, activate one side at +40°C to +50°C, connect and press.



Köratac VC 34

- Technology/Basic vinyl polymers
- Solvent curing
- Parts, single-piece system
- Colour transparent, colourless
- Resistant to yellowing

USAGE

Adhesive suitable for cold welding of PVC plates and pipes. Resistant to water, alcohols, oils and gases.



TT-number	Name	Specifications	Colour
11215304.010	Köratac VC 34	200 ml	transparent

TECHNICAL DATA

Density 0.90 g/cm³

Solids content 25% by weight Kö-test method 100035

Processing instructions and parameters

Storage temperature 15°C to 25°C

Processing temperature 18°C to 25°C

Consumption 250 g/m² to 400 g/m²

Operating temperature -25°C to 70°C



Swiftcol 2035

Base material: solvent-based polychloroprene rubber

Product type: cold glue

Colour: brown

Product benefits:

very high contact adhesiveness, good moisture resistance,
high heat resistance, toluene-free



TT-number	Name	Specifications	Colour
1212035.010	Swiftcol 2035	10 kg	brown

TECHNICAL DATA

Density 0.82 g/cm³

Solids content 20% by weight Kö-test method 100035

Processing instructions and parameters

Storage temperature: 10°C to 25°C

Working temperature: 15°C to 30°C

Viscosity: 450 mPa.s Brookfield RVT, 20°C

Ventilation time: waiting time 5 min.

Required spray pressure 5 bar

Consumption: 250 g/m²

Properties of the cured material

Heat resistance 130°C Kö-test method 100098

Processing: Suitable base material chipboard

Various aluminium alloys, various steel alloys, wood, various other substrates

Consistent liquid: sprayable

Surface requirements: dry, clean, grease-free surface.

Method of application by spraying

Tool cleaner helmitin® 676/2

Tips

Compatibility with polystyrene foams. Not suitable for bonding polystyrene foams.

Ask your local sales office for products suitable for such applications.

Swift®col 2035 should be used within the shelf life indicated on the package. Only storage stability applies to material stored under appropriate conditions (original unopened containers, recommended storage temperature). High temperatures shorten shelf life. Low temperatures temporarily cause higher viscosity.

Processing:

Apply the adhesive evenly using a suitable application method on the two parts to be joined. After the recommended waiting time (flash time), place the parts exactly together and press. The waiting time depends on the ambient temperature, the thickness of the adhesive film and the absorbency of the surfaces. The surfaces to be glued should be pressed together when the adhesive is still slightly sticky, but does not stick to the finger when lightly pressed.



Cyberbond TM44

Usage

Thread locking; medium strength, medium viscosity, anaerobic sealant, universal use, removable with conventional tools.

Physical properties

Monomer base	Dimethacrylate
Appearance	blue
Viscosity at 20°C	600 - 1200 mPa.s
Density at 20°C	1.07 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time: Steel (M10 thread)	15 - 30 min.
Maximum joint	0.06 - 0.18 mm
Shear strength	10 - 16 N/mm ²
Breakaway torque	10 - 20 Nm
Temperature resistance	-55 / 150°C



TT-number	Name	Specifications	Colour
1211850.010	Cyberbond TM44	10 g	blue

Cyberbond TM66

Usage

Thread locking; medium strength, medium viscosity, anaerobic sealant, universal use, removable with conventional tools.

Physical properties

Monomer base	Dimethacrylate
Appearance	green
Viscosity at 20°C	500 - 800 mPa.s
Density at 20°C	1.07 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time: Steel (M10 thread)	15 - 30 min.
Maximum joint	0.06 - 0.18 mm
Shear strength	81 - 100 N/mm ²
Breakaway torque	10 - 20 Nm
Temperature resistance	-55 / 150°C



TT-number	Name	Specifications	Colour
1211851.010	Cyberbond TM66	10 g	green



Cyberbond RH98

Usage

Fastener; high strength, temperature resistant, highly viscous, anaerobic, temperature resistant sealant for dynamically stressed joints such as bearings, bolts, etc.

Physical properties

Monomer base	Dimethacrylate
Appearance	green
Viscosity at 20°C	2200 - 3400 mPa.s
Density at 20°C	1.09 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time: Steel (M10 thread)	20 - 40 min.
Brass (thread)	<10 min.
Maximum joint	0.06 - 0.18 mm
Shear strength	81 - 100 N/mm ²
Breakaway torque	10 - 20 Nm
Temperature resistance	-55 / 150°C



TT-number	Name	Specifications	Colour
1211852.010	Cyberbond RH98	10 g	green

CYBERBOND SH27 harmonic

Usage

Sealant; medium strength, highly viscous. Anaerobic sealant for removable pipe threads. DVGW tested to DIN EN 751-1 for gases.

Physical properties

Monomer base	Dimethacrylate
Appearance	yellow
Viscosity at 20°C	20000 - 30000 mPa.s
Density at 20°C	1.05 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time: Steel (M10 thread)	15 - 30 min.
Maximum joint	0.10-0.40 mm
Maximum thread	R 2"
Final curing after	24 hrs.
Shear strength	6 - 12 N/mm ²
Breakaway torque	6-14 Nm
Temperature resistance	-50 / 150°C



TT-number	Name	Specifications	Colour
1211853.075	CYBERBOND SH27 harmonic	75 g	yellow



Cyberbond 2008

Usage

Extremely fast, designed especially for bonding EPDM.

Physical properties

Monomer Base	Ethyl Ester
Appearance	colourless
Viscosity at 20°C	10 - 20 mPa.s
Density at 20°C	1.06 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time:	
Metal	10 - 30 s
Rubber (EPDM)	1 - 3 s
Plastic	2 - 4 s
Tensile strength on rubber	86 - 100 N/cm ²
Shear strength per metal	10 - 22 N/mm ²
Temperature resistance	-55 / 95°C



TT-number	Name	Specifications	Colour
1211801.020	Cyberbond 2008	20 g	clear

Cyberbond 2028

Usage

Precise positioning application, no loosening in the joint even for small drops, fast curing.

Physical properties

Monomer Base	Ethyl Ester
Appearance	colourless
Viscosity at 20°C	150 - 300 mPa.s
Density at 20°C	1.05 g/m ³
Shelf life (20°C, unopened container)	9 months
Curing time:	
Metal	20 - 50 s
Rubber (EPDM)	1 - 4 s
Plastic	2 - 4 s
Tensile strength on rubber	79 - 100 N/cm ²
Shear strength per metal	10 - 22 N/mm ²
Temperature resistance	-55 / 95°C



TT-number	Name	Specifications	Colour
1211802.020	Cyberbond 2028	20 g	clear



Cyberbond 2077

Usage

Lightly fills gaps, suitable for porous materials, fast curing.

Physical properties

Monomer Base	Ethyl Ester
Appearance	colourless
Viscosity at 20°C	600 - 1500 mPa.s
Density at 20°C	1.06 g/m ³
Shelf life (20°C, unopened container)	9 months
Curing time:	
Metal	20 - 50 s
Rubber (EPDM)	1 - 4 s
Plastic	5 - 7 s
Tensile strength on rubber	90 - 100 N/cm ²
Shear strength per metal	10 - 22 N/mm ²
Temperature resistance	-55 / 95°C



TT-number	Name	Specifications	Colour
1211803.020	Cyberbond 2077	20 g	clear

Cyberbond 2240

Usage

Extremely fast, designed especially for bonding EPDM.

Physical properties

Monomer Base	Ethyl Ester
Appearance	opaque
Viscosity at 20°C	2000 - 4000 mPa.s
Density at 20°C	1.06 g/m ³
Shelf life (20°C, unopened container)	9 months
Curing time:	
Metal	30 - 90 s
Rubber (EPDM)	7 - 13 s
Plastic	7 - 13 s
Tensile strength on rubber	82 - 100 N/cm ²
Shear strength per metal	10 - 28 N/mm ²
Temperature resistance	-55 / 140°C



TT-number	Name	Specifications	Colour
1211804.020	Cyberbond 2240	20 g	clear



CYBERBOND black 2243

Fast, semi-flexible product, for dynamic and thermally loaded joints, low viscosity. ISO 10993-5 approved.

Physical properties

- Monomeric form (liquid)
- Monomer base: Ethylester
- appearance: black
- Viscosity at 20°C in mPa.s: 240 – 360
- Density at 20°C in g/cm³: 1.06
- Flash point: 85°C
- Shelf life at 20°C in unopened packaging in months: 9

Curing time

- Metal (steel) in sec: 30 – 65
- Rubber (EPDM) v sec 3 - 8
- Plastic (ABS) in sec: 5 - 9
- Wood (beech) in seconds: >60
- Tensile strength on rubber (NBR) in N/cm²: # 83 - 100
- Shear strength on metal in N/mm²: 10 - 24
- Temperature resistance: -55 / +140°C



TT-number	Name	Specifications	Colour
1211808.020	Cyberbond 2243	20 g	clear

Cyberbond 2003

Usage

Special product for bonding metal/rubber combinations.

Physical properties

Monomer Base	Ethyl Ester
Appearance	colourless
Viscosity at 20°C	50 - 100 mPa.s
Density at 20°C	1.05 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time:	
Metal	10 - 50 s
Rubber (EPDM)	10 - 50 s
Plastic	4 - 10 s
Tensile strength on rubber	85 - 100 N/cm ²
Shear strength per metal	10 - 22 N/mm ²
Temperature resistance	-55 / 95°C

TT-number	Name	Specifications	Colour
1211807.010	Cyberbond 2003	10 g	clear



Cyberbond 1070

Usage

Lightly fills gaps, suitable for porous materials, fast curing.

Physical properties

Monomer Base	Ethyl Ester
Appearance	clear
Viscosity at 20°C	60 - 100 mPa.s
Density at 20°C	1.09 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time:	
Metal	20 - 60 s
Rubber (EPDM)	6 - 12 s
Plastic	4 - 6 s
Tensile strength on rubber	81 - 100 N/cm ²
Shear strength per metal	10 - 28 N/mm ²
Temperature resistance	-55 / 95°C



TT-number	Name	Specifications	Colour
1211805.020	Cyberbond 1070	20 g	clear

Cyberbond 2605

Usage

supplemented with Neomer Technology; medium viscosity, extremely fast bonding of various materials such as rubber, plastic, wood, leather, cardboard, etc.

Physical properties

Monomer Base	Ethyl Ester
Appearance	colourless clear
Viscosity at 20°C	40 - 80 mPa.s
Density at 20°C	1.04 g/m ³
Shelf life (20°C, unopened container)	12 months
Curing time:	
Metal	20 - 50 s
Rubber (EPDM)	1 - 3 s
Plastic	1 - 3 s
Tensile strength on rubber	87 - 100 N/cm ²
Shear strength per metal	10 - 25 N/mm ²
Temperature resistance	-55 / 95°C



TT-number	Name	Specifications	Colour
1211806.003	Cyberbond 2605	3 g	clear



Cyberbond 9096 200ml

Usage

Cyanoacrylate adhesive activator.

Physical properties

Density at 20°C: 0.700 g/cm³

Temperature flash point: -4°C

Description

Cyberbond 9096 accelerates the curing of cyanoacrylate adhesives.

Usage

- if ambient conditions are not optimal (dry air, cold)
- for large layers of adhesive
- when bonding inactive materials
- (not replacing Cyberbond Primer 9050)

Applying

1. Before bonding: Apply to one side and allow to evaporate. The cyanoacrylic adhesive is applied to the side that has not been treated, the parts are quickly joined and the adhesive is allowed to harden.
2. After bonding: This application is only possible with the use of a suitable spray valve. Then spray off any visible adhesive residue and allow to cure. A sufficient spraying distance (approx. 30 cm) is necessary to achieve a smooth surface.

Caution: The activator can damage painted surfaces such as thermoplastics!



TT-number	Name	Specifications
1236096.200	Cyberbond 9096	200 ml

POURED FLOORS

KÖRAPUR 689 - KÖRAPUR 690

Covering layer - poured floors in trucks, containers, commercial vehicles, mobile shops, mobile homes, motor homes, and so on. For polyester, aluminium, primed steel plates and wood. Particularly suitable for vehicles transporting fresh goods, meat, fish and for freezer vehicles (tested down to -30°C), To create an anti-slip layer, the granulate is poured on during the curing of Körapur 689 and then Körapox BS 85 is applied as a covering layer. This results in a very good service life. Approved for contact with food, physiologically safe. A test certificate is available.



base material	polyurethane, two-component product
colour	grey, roughly corresponding to RAL 7037
characteristic properties	tough flexible material, good abrasion resistance, tested according to EN 438

Poured floors - an overview		
TT-number	Name	Specifications
1221689.000	Körapur 689	package 15 kg
1221690.000	Körapur 690	package 6 kg
1221085.000	Körapox BS 85	Package 5 kg
1221002.000	Spatula 6 mm	
1221003.000	Foam roller - complete	
1221004.000	Foam roller - separate	
Replacement package (the mixing ratio with component A must be observed)		
1220016.000	Körapox TH 240	1 kg, component B for K 689

	KÖRAPUR 689 <i>Self-levelling coating.</i>	KÖRAPUR 690 <i>Test certificate is available.</i>
density	1.40 g/cm ³ (mixture)	1.14 g/cm ³ (mixture)
viscosity	3600 mPa.s (mixture)	33000 mPa.s (mixture)
mixing ratio	4:1 (by weight)	3:1 (by weight)
consumption	2 to 5 kg/m ²	600 to 800 g/m ²
processing time	35 minutes at +20°C	120 minutes at +20°C
tensile strength	18 N/mm ²	
extension on interruption	15%	
Shore D hardness	70	
packaging units	15 kg mixing unit in two-tier packaging	6 kg mixing unit in two-tier packaging



POURED FLOORS

KÖRAPOX BS 85 - KÖRAPOX BS 90

For anti-slip coating of floors in trucks, containers, commercial vehicles, motor homes, camping vehicles, and so on. Particularly suitable for vehicles transporting fresh goods, meat, fish and for freezer vehicles (tested up to 30°C). Approved for contact with food, physiologically safe. A test certificate is available.



TT-number	Name	Specifications	Colour
1221085.000	Körapox BS 85	package 5 kg	grey
1221086.000	Corundum	package 1 kg	brown
1221090.000	Körapox BS 90	package 8 kg	grey

base material	epoxy, two-component product
characteristic properties	tough and flexible material, good resistance to water, salt and yellowing
time between application and bonding ("open time")	30 minutes
colour	grey

	KÖRAPOX BS 85 <i>Good resistance to yellowing.</i>	KÖRAPOX BS 90 - floor coating <i>Good adhesion to metal.</i>
density	1.14 g/cm ³ (mixture)	1.55 g/cm ³ (mixture)
viscosity	low viscosity	35000 mPa.s (mixture)
mixing ratio	4:1 (by weight)	7:1 (by weight)
consumption	250 g/m ²	800 to 1000 g/m ²
processing time	90 minutes at +20°C	8 hours at +20°C
packaging units	5 kg mixing unit in two-tier packaging	8 kg mixing unit in two-tier packaging



Köracur TH 240 - comp. B for K 689

Hardener for two-component polyurethanes. Slow hardening. For applications on plastics, compatibility must first be checked. Comply with work and safety regulations for flammable products.

Specifications

Colour: clear / brownish

Viscosity / 130 mPa.s

NCO content / 31%

TT-number	Name	Specifications	Colour
1220016.000	Köracur TH 240	1 kg	clear / brownish



Köracur TH 340 - comp. B for K 690

Hardener for two-component polyurethanes. Slow hardening. For applications on plastics, compatibility must first be checked. Comply with work and safety regulations for flammable products.

Specifications

Colour: clear / brownish

Viscosity / 130 mPa.s

NCO content / 31%

TT-number	Name	Specifications	Colour
1220018.000	Köracur TH 340	1 kg	clear / brownish



CYBERBOND 9999 500ml (cleans, degreases)

Contents: Sales unit: 500 ml spray 12 pcs

Chemical base: Alcohol, acetone, aliphatic hydrocarbons. Propane-butane as a propellant gas

Physical properties:

- Density at 20°C: 0.72 g/cm³
- Flash point: not determinable for aerosols

Description: Cyberbond 9999 is an environmentally friendly all-purpose cleaner for metal materials. Because oil, grease and dirt can have a negative effect on the bonded joint, metal surfaces should be cleaned with Cyberbond 9999. Simply spray the dirty parts, leave Cyberbond 9999 on briefly and then wipe off. Cyberbond 9999 is also suitable for removing adhesive residues and seals and is also very good for cleaning brakes. It can distort plastic materials, so it must be checked before use.

Caution: Must not be used on paint or leather.



TT-number	Name	Specifications
1239999.500	CYBERBOND 9999	500 ml

Helmitin 676/2, toluolfrei (1l), for removal of adhesive mat., (Körasolv CR)

Product type: Mixture of organic solvents

Product benefits: excellent performance in diluting and cleaning solvent-based polychloroprene adhesives

Cleaner for rubber soles and other applications used in rubber bonding

Colour: colourless

Density at 20°C: approx. 0.78 g/cm³

Use within 24 months from date of manufacture

TT-number	Name	Specifications
1231100.100	Helmitin 676/2	1 l



Körasolv PU

Cleaning product and thinner for Köraplast PU adhesives

Product description

Base: mixture of organic solvents

Colour: colourless liquid

Density: 0.83 g/cm³

Viscosity at 20°C: < 5 mPa.s

Flammability class: class I flammable

Please refer to the safety data sheet for the relevant safety data.

Storage conditions: 12 months at + 18°C



Körasolv WL

Cleaning product for cleaning oily and waxed surfaces as a pre-treatment for bonding with Körapur, Körapox and Köratac according to the details given in the product information.

Product description

Base material: Mixture of organic solvents without toluene

Colour: Colourless, clear

Density: 0.76 g/cm³

Store sealed in a dry place and for no longer than 24 months



TT-number	Name	Specifications
1231101.100	Körasolv WL	1 l



F60-CE ELECTRICAL CONTACT CLEANER 400 ML

A product designed to remove surface contaminants from electrical connections. The product evaporates quickly from the surface without leaving a residue, but a protective layer remains. It is designed to clean grease and dirt from electrical and electronic equipment.

FUNCTIONS

Quick cleaning to remove traces of flux, light oils, fingerprints and other contaminants. Regular scheduled applications extend the life of components. Non-conductive and non-corrosive. Evaporates completely and only a very thin protective layer remains. Safe for all metal surfaces, most rubbers, plastics and coatings. It is recommended to test on sensitive plastics, bonded or stressed parts.

AREAS OF APPLICATION

Computers, digital devices, electronic ignition, navigation, printed circuits, radar, radios, switches, relays, circuit breakers, alarm and signal systems, or plugs and sockets.



TT-number	Name	Specifications
1200060.400	F60-CE Electrical contact cleaner	400 ml

TECHNICAL PROPERTIES

Form	Aerosol
Appearance	Clear colourless liquid
Specific gravity	0.802
Odour	Moderate
Colour	Transparent

F110-UC UNIVERSAL CLEANER AND DEGREASER 500 ML

This powerful cleaning aerosol is used to remove oil, grease, dirt and dust from brakes and clutches, helping to eliminate brake squeal and clutch slip caused by contamination. FXR110 helps clean and degrease parts in auto repair shops and machinery repair, allowing car and motorcycle brake systems to last longer and work better.

FUNCTIONS

Effectively removes deposits such as leaking brake fluid, grease, oil and hardened dirt. Eliminates dust from brake and clutch housing parts. Reduces disc brake squeal and clutch vibration. Using FXR110 without disassembly, brakes and other parts saves time and reduces maintenance costs. Evaporates quickly. Leaves no residue. Excellent penetration against dirt. Stable, non-staining and does not cause corrosion of metals. For added convenience, the Aerosol is equipped with a 360° (bottom up) spray valve system with extension tube.

AREAS OF APPLICATION

- Brake linings
- Drums
- Cylinder
- Brake shoes
- Brake pads
- Discs
- Wedge brakes
- Springs
- Calipers
- Clutch discs
- Most metal parts



TT-number	Name	Specifications
1200110.500	F110-UC Universal cleaner and degreaser	500 ml

TECHNICAL PROPERTIES

Form	Liquid aerosol
Appearance	Transparent
Specific gravity	0.72 ± 0.02 g/cm ³
Odour	Characteristic
Flash point	N/A



CLEANING PRODUCTS

F800-CP PU FOAM CLEANER 500 ML

Removes uncured PU foam and cleans the PU foam gun adapter after application. Cleans surfaces, clothing, window and door frames and prevents foam from hardening in the gun adapter.

FUNCTIONS

Powerful solvent-based aerosol cleaner for removing uncured PU. Designed specifically for cleaning the foam gun adapter. Can be used in all positions. Fuel gas is not harmful to the ozone layer.

AREAS OF APPLICATION

Cleaning the gun adapter. PU foam aerosol valve cleaning. Removal of uncured foam.



TT-number	Name	Specifications
1200800.500	F800-CP PU foam cleaner	500 ml

TECHNICAL PROPERTIES

Base	Solvent mixture
Consistency	Liquid
Appearance	Transparent
Specific gravity	0.85 g/cm ³

Körabond HG 74E

Moisture curing primer

- For pre-treatment of absorbent substrates such as wood or concrete
- For subsequent bonding with 1K - PUR or 1K - POP adhesive and sealant

TECHNICAL DATA

Base material: synthetic resin containing solvent
 Colour: Yellowish transparent or red
 Density: 1 g/cm³ DIN 53 479
 Consistency: Low viscosity
 Consumption: 100 g/m²
 Recommended processing temperature: +10°C to +35°C

Preparation:

Surfaces must be dry, clean and free of grease and dust. Apply Körabond HG 74 E to the bonded surfaces and allow to dry. Drying time is approx. 60 minutes.

Then glue with Körapur - 1K or Körapop within 8 hours. Suitability and compatibility tests for unknown or new materials are absolutely necessary.

TT-number	Name	Specifications	Colour
1231074.100	Körabond HG 74E	1 l	yellowish

Körabond HG 77

Primer for pretreatment of hard PVC and ABS for bonding polyurethanes (Körapur) and silane-modified polymers (Körapop)

- Complete curing must be achieved before painting over with Körapop

Base material: synthetic resin containing solvent
 Colour: Light-yellowish-transparent or blue
 Density: 0.92 g/cm³
 Viscosity: low
 Consumption: 20 - 80 g/m²
 Working temperature: +10°C to +25°C

Preparation:

Surfaces must be dry, clean and free of dust and grease. Apply a thin, even coat of Körabond HG 77 and allow to dry for at least 30 minutes. The Körapur 1K or Körapop adhesive sealant should be applied within 24 hours of painting the base with Körabond HG 77. If using other adhesives such as Körapur 666, do not exceed 1 hour after application of this primer.

TT-number	Name	Specifications	Colour
1231077.010	Körabond HG 77	1 l	yellowish



Körabond HG 79

USAGE: A primer designed for application prior to the use of polyurethane based adhesives/sealants on many media. Its special feature is the formation of fixing bridges on materials such as metals, especially aluminium or stainless steel, also glass, ceramics and a large number of thermoplastic or thermoset materials. Also suitable on certain pre-painted materials.



TECHNICAL CHARACTERISTICS:

- Base: Synthetic resin dissolved in flammable solvents
- Colour: Transparent / yellowish
- Dry: About 3% of active ingredients
- Density: Approximately 0.79 g/cm³
- Viscosity: Less than 25 mPa.s
- Consumption: Approximately 20 to 50 g/m²
- Drying time: Minimum around 2 to 5 minutes, about 30 minutes is optimal
- Open hours: Preferably within 12 hours before applying the adhesive/sealant
- Features: can be used as a primer / degreaser
- Operating temperature: + 5°C to + 35°C
- Cleaning: Use only our KÖRASOLV GL

Surface preparation: The surfaces to be treated must be clean, dry and free of dust and grease. Store materials and work in heated areas to avoid fluctuations in temperature that are too high or too low, which could lead to moisture condensation. If in doubt about a particular medium, please perform a preliminary test or consult our technical department.

Application: The primer is usually applied using our spraying machine with a clean cloth or by applying a thin layer with a brush to the surface to be treated. The evaporation time is about 30 minutes (minimum 2 to 5 minutes and maximum 12 hours).

TT-number	Name	Specifications	Colour
1231079.050	Körabond HG 79	500 ml	yellowish
1231079.450	Körabond HG 79	4.5 l	yellowish



Körabond HG 81

Bonding agent for the preparation of non-absorbent bases such as glass, metals (aluminium, steel, VA-steel, brass, copper, zinc, tin) or plastics (ABS, hard PVC, PA 6.6, GRP, SMC, PUR).

- Fluorescent option (for production control)

TECHNICAL DATA

- Base Synthetic resin containing solvent
- Colour: Transparent yellowish / brownish
- Density 0.8 g/cm³ at +20°C
- Consumption 20 - 40 g/m²
- Low viscosity
- Working temperature: +10°C to +35°C



TT-number	Name	Specifications	Colour
1231081.010	Körabond HG 81	1 l	yellowish

Preparation

Surfaces must be clean and free of all traces of dust and grease.

Coating

Apply Körabond HG 81 to the bonded surfaces and allow to dry. Apply only in one direction using a lint-free cloth that should be changed frequently.

Drying time will be about 10 minutes. Adhesive or sealant should be applied to the primed surface within 24 hours of priming to ensure maximum adhesion. Allow proper drying time and do not use Körabond HG 81 on non-absorbent and porous surfaces. Users are advised to confirm the suitability of products through self-testing. The coating can be controlled with a UV-lamp during the production process.

CLEANING

Körasolv WL or Körasolv CR products can be used.



Körabond HG 83

Primer for the preparation of non-absorbent bases such as metals (aluminium, steel, VA-steel, brass, copper, zinc, tin), plastics (ABS, hard PVC, PA 6.6, GRP, SMC, PUR).

- Base: Synthetic resin containing solvent
- Colour: Colourless
- Density: 0.77 g/cm³
- Consumption: 20 - 40 g/m²
- Low viscosity
- Working temperature: +10°C to +35°C



TT-number	Name	Specifications	Colour
1231083.010	Körabond HG 83	1 l	colourless

Preparation

Surfaces must be clean and free of all traces of dust and grease. Apply Körabond HG 83 to surfaces and allow to dry. Apply in one direction only, using a brush or a lint-free cloth that should be changed frequently.

Drying time will be about 10 minutes. Adhesive or sealant should be applied to the primed surface within 24 hours of priming to ensure maximum adhesion. Allow proper drying time and do not use Körabond HG83 on non-absorbent and porous surfaces. Users are advised to

confirm the suitability of products through in-house testing.

Cleaning with Körasolv WL or Körasolv CR.



LUBRICANTS

F80-SM SILICONE SPRAY LUBRICANT 400 ML

Silicone-based lubricant. It shows perfect function even at very high temperatures. Helps to prevent the formation of mould.

FUNCTIONS

Thanks to its silicone content, it provides long life for materials used at high temperatures. It is used to reduce friction in all types of mechanical parts. The product repels water, protects and restores rubber surfaces and helps to prevent mould formation. FX80 is an anti-static and anti-corrosive product that leaves no residue, is insoluble in water and non-toxic.

AREAS OF APPLICATION

As a protective agent and against mould in the textile, plastics and rubber industries. Use, for example, on windscreen wiper clutches, metal hinges and springs. Suitable for lubricating metal and rubber parts of snow blowers.



TT-number	Name	Specifications
1200080.400	F80-SM Silicone spray lubricant	400 ml

TECHNICAL PROPERTIES

Form	Aerosol
Appearance	Transparent
Specific gravity	0.98 g/cm ³
Odour	Characteristic
Flash point	Not identified



F40-MK LUBRICANT AND CORROSION INHIBITOR 400 ML

Corrosion inhibitor, lubricant and multi-purpose protective aerosol spray. A special formula that combines many properties such as cleaning, lubrication, rust release, moisture removal. Can be used in industrial and domestic applications.

FUNCTIONS

Maximum penetrating power. Releases rusted or corroded bolts, nuts, cables and any other fasteners. Lubricates and releases door and window hinges, locks and other fittings. Reduces friction, stops squeaking pedals, chairs, windows and hinges. Does not contain silicone or additives to trap dirt. It displaces moisture from the surface and ensures a long lubricating effect. Protects metal parts from corrosion. It provides maintenance by penetrating the surface and protecting it from dirt. Dissolves tar, gum, glue, etc. Creates a protective film on the surface.

AREAS OF APPLICATION

In all fittings, door and window mechanisms, locks, handles and hinges. For repelling moisture on metal surfaces of bicycles, motorcycles, small motor vehicles, electronic contacts and other household tools such as drills, jigsaws, etc. For loosening and activating rusted and blocked mechanisms. Can be used as a protective agent on water and corrosion sensitive surfaces. For dissolving sticky materials such as tar, rubber, adhesive tapes, etc. Can be used for cleaning and maintenance of weapons.



TT-number	Name	Specifications
1200040.400	F40-MK Lubricant and corrosion inhibitor	400 ml

TECHNICAL PROPERTIES

Form	Aerosol
Colour	Yellowish
Solubility in water	Insoluble



POLYURETHANE FOAM

F806-PU LOW EXPANSION POLYURETHANE FOAM 750 ML

Single-component, curing by air humidity, aerosol polyurethane foam. Designed for easy dispensing using the adapter included with each can. Does not contain any gases that are harmful to the ozone layer.

FUNCTIONS

Excellent adhesion and high thermal and acoustic insulation value. Excellent mounting capacity and stability. Good adhesion to almost all building materials except surfaces such as polyethylene, Teflon, silicone and surfaces contaminated with oils and grease or degreasing agents. Also suitable for filling vacant spaces in the construction of caravans and box superstructures. FX806 is mould-resistant, waterproof and can be painted over. It cures quickly and can be trimmed, shaped and sanded.

AREAS OF APPLICATION

Fixing and insulating door and window frames. Filling and sealing of gaps, joints and cavities. Filling penetrations in walls and around water pipes. Filling of cavities in the construction of caravans and box superstructures.



TT-number	Name	Specifications	Colour
1200806.750	F806-PU low expansion foam	750 ml	Light yellow

TECHNICAL PROPERTIES

Base	Polyurethane prepolymer
Curing system	Air humidity
Specific gravity	22 ± 3 kg/m ³ (ASTM D1622)
Surface layer formation (1 cm width)	7 ± 2 min. (ASTM C1620)
Stiffening in section (width 1 cm)	20 - 45 min. (ASTM C1620)
Curing time	24 hours
Foam colour	Light yellow
Proceeds	30 - 45 l (ASTM C1536)
Fire class of cured foam	B3 (DIN 4102-1)
Thermal conductivity	0.036 W/m.k (at 20°C) (DIN 52612)
Compressive strength	0.03 MPa (DIN 53421)
Water leakage	0 (ISO 2896-87)
Water absorption	max. 1 vol.% (DIN 53428)
Temperature resistance	-40°C to +80°C
Processing temperature	+5°C to +30°C



POLYURETHANE FOAM

F805-PU POLYURETHANE FOAM UNIVERSAL 750 ML

Single-component, versatile, humidity curing, self-expanding aerosol polyurethane foam. Designed for easy dispensing with a custom adapter included with each can. Does not contain any gases that are harmful to the ozone layer.

FUNCTIONS

Excellent adhesion and filling ability, high thermal and acoustic properties. Excellent mounting capacity and stability. Suitable for almost all building materials except surfaces such as polyethylene, Teflon, silicone and surfaces contaminated with oils and grease and degreasing agents. FX805 is mould-resistant, waterproof and can be painted over. Dries quickly and can be trimmed, shaped and sanded.

AREAS OF APPLICATION

Fixing and insulating door and window frames. Filling and sealing of gaps, joints and cavities. Filling penetrations in walls and around water pipes.



TT-number	Name	Specifications	Colour
1200805.750	F806-PU foam universal	750 ml	Light yellow

TECHNICAL PROPERTIES

Base	Polyurethane prepolymer
Curing system	Air humidity
Specific gravity	22 ± 3 kg/m ³ (ASTM D1622)
Surface layer formation (1 cm width)	7 ± 3 min. (ASTM C1620)
Stiffening in section (width 1 cm)	30 - 45 min. (ASTM C1620)
Curing time	24 hours
Foam colour	Light yellow
Proceeds	30 - 45 l (ASTM C1536)
Fire class of cured foam	B3 (DIN 4102-1)
Thermal conductivity	0.036 W/m.k (at 20°C) (DIN 52612)
Compressive strength	0.03 MPa (DIN 53421)
Water leakage	0 (ISO2896-87)
Water absorption	max. 1 vol.% (DIN 53428)
Temperature resistance	-40°C to +80°C
Processing temperature	-2°C to +30°C
Store at temperature	min. 5°C max. + 30°C



POLYURETHANE FOAM

F850-PU POLYURETHANE FOAM 65 MEGA 850 ML

Single-component professional PU foam that provides significantly higher volumes. Application with special application gun.

FUNCTIONS

High yield up to 65 litres, depending on humidity and temperature. Excellent adhesion to common building materials. Economical consumption thanks to precise application. Mould-resistant, waterproof and can be painted over. Does not contain any gases that are harmful to the ozone layer.

AREAS OF APPLICATION

Fixing and insulating door and window frames. Filling and sealing of gaps, joints and cavities. Filling penetrations in walls and around water pipes.

TT-number	Name	Specifications	Colour
1200850.850	F806-PU foam 65 Mega	850 ml	Light yellow



TECHNICAL PROPERTIES

Base	Polyurethane prepolymer
Curing system	Air humidity
Specific gravity	19 ± 3 kg/m ³ (ASTM D1622)
Surface layer formation (1 cm width)	6 ± 2 min. (ASTM C1620)
Stiffening in section (width 1 cm)	20 - 45 min. (ASTM C1620)
Curing time	24 hours
Foam colour	Light yellow
Proceeds	65 l (ASTM C1536)
Fire class of cured foam	B3 (DIN 4102-1)
Thermal conductivity	0.036 W/m.k (at 20°C) (DIN 52612)
Compressive strength	0.03 MPa (DIN 53421)
Water leakage	0 (ISO2896-87)
Water absorption	max. 1 vol.% (DIN 53428)
Temperature resistance	-20°C to +80°C
Processing temperature	+5°C to +30°C
Store at temperature	min. 5°C max. + 30°C



BUTYL AND BITUMEN SEALANTS

F602-B BITUMEN SEALANT 310 ML

Solvent-based, fibre-reinforced, plasto-elastic bitumen sealant for bonding and repairing asphalt surfaces. Applicable to most building surfaces. After curing, a permanent elastic mass is formed.

FUNCTIONS

Instant and permanent adhesion to all common building materials (such as brick, concrete, lead, zinc, tile, insulation board, certain plastics, etc.) Can be applied in humid conditions. Paste-like, cannot drip or spill. Does not contain asbestos. Remains flexible after processing and curing. Resistant to moisture. Economical, good insulator. Protects against corrosion and moisture.

AREAS OF APPLICATION

Watertight sealing of joints, chimneys, ventilation pipes, drain pipes, etc. Adhesive for synthetic materials, tiles, concrete, rubber, insulation panels, etc. Sealing gaps on wooden boats or boats. Sealing of joints on roofs of buildings, caravans and box superstructures.



TT-number	Name	Specifications	Colour
1200602.312	F602-B Bituminous sealant	310 ml	Black

TECHNICAL PROPERTIES

Base	Bitumen
Curing system	Neutral, drying
Density	1.25 ± 0.02 g/ml (ASTM D 792)
Skin formation	30 minutes. (23°C and 50% r.h.)
Curing speed	0.5 - 1 mm/day (23°C and 50% relative humidity)
Consumption	450 g/m ²
Processing temperature	+1°C to +30°C



Ködiplast CS grey

Single-component, plastic sealant

- Sealant for external joints, gaps and joints on surfaces such as concrete, wood, metal, glass, plastic and many other materials
- Operating temperature from -30°C to +80°C
- Seals for trucks, trailers, shipbuilding, instrument construction
- Cannot be used for joints with high mobility
- Waterproof

Ködiplast CS is formulated to withstand a wide range of weather conditions, but the product is not suitable for use in contact with oils, solvents and fuels.

TECHNICAL DATA

Base material: butyl rubber, one component, contains solvent

Colour: Grey

Consistent paste, gun-applied sealant

Density 1.44 g/cm³ DIN 53 479, +23°C

Solids content 85% after 3 h / +105°C



TT-number	Name	Specifications	Colour
1220052.310	Ködiplast CS	310 g	grey



CYBERBOND A505 25 ml

Cyberbond A505 is a structural adhesive with very high strength and temperature resistance, with the quality of a flexible "rubber" cure resistant to "peel and shock" and high adhesion to plastics. It provides extremely high strength and impact distribution over the entire molecular structure.

Bonds metals, aluminium, non-ferrous metals, stainless steel, glass, epoxy and epoxy. plastics, fibreglass, ABS, polycarbonate glass, polyesters, GRP, bakelites, nylon, plastics, ceramics and their various combinations.

Extremely high strength, high temperature resistance, unique resistance to bumps and peeling.

Fast curing, product does NOT NEED TO BE MIXED.



TT-number	Name	Specifications
1211881.025	CYBERBOND A505	25 ml

Features:

- Bond strength up to 350 - 380 kg/cm²
- Temperature resistance up to +180°C
- Initial handling strength 5 - 6 minutes
- 75% strength after 12 - 15 minutes
- final curing after 6 hours
- All this even with joints up to 5 mm

Simple application

The bonding will exhibit high impact strength, tensile strength and high tear strength with good elastic adhesion, even on lightly oiled surfaces.

To cure, it is sufficient to apply part A to one side and part B to the other (NO MIXING NECESSARY) and press (rotate or push in) to ensure sufficient conditions for curing. This unique curing method allows us to prepare components for bonding ahead of time without curing the adhesive.

Other simple applications are possible using a variety of application guns and mixing nozzles that are suitable for most applications (consult your company's technician for applications). The product is also suitable for automatic and semi-automatic dosing and application systems. The surface must be clean and dry, however A505 is tolerant of lightly oiled surfaces.

Also suitable for burning paint (+180°C). The maximum operating temperature limit is -40 to +180°C.

Application:

Although the A505 adheres even on lightly oiled surfaces, it is recommended that the surface be cleaned with Cyberbond cleaner and lightly sanded with glass paper for maximum strength. A505 can be applied directly from the vials in a 1:1 ratio where the mere contact of the two components is sufficient for curing.

Use on:

ABS, PVC, Polyester, Aluminium, Acrylic resins, Vinyl Ester, Stainless steel, Carbon steel, Urethanes, GRP, Non-ferrous metals.



CYBERBOND A808 50gr

Cyberbond A808 is a two-component methacrylate adhesive with a mixing ratio of 1:1.

It is a universal adhesive with high shear strength combined with excellent toughness and medium.

stretching, especially suitable for bonding metals without primer. Cyberbond A808 includes a combination of different adhesives and activators to achieve a 5 minute processing time and is designed to bond metals, composites and plastics including difficult to bond materials such as stainless steel, galvanized metals, polyamides, polyDCPD and rubbers with minimal or no surface treatment a, b.



TT-number	Name	Specifications
1211882.050	CYBERBOND A808	50 g

MAIN ADVANTAGES

- Processing time 5 minutes Sufficient processing time even for medium-sized applications
- Bonds a wide range of materials. Allows for bonding of galvanised metals and polyamides
- Bonding of metals without primer. For most metals, no surface treatment and use of primer is necessary
- Medium exoderm adhesives Suitable for bonding in small joints
- Adhesive joint from 0.1 to 5 mm. Allows for application in thin and medium adhesive joints
- Excellent environmental and corrosion resistance). Joint quality ensured even in harsh conditions
- Permanent rigidity and flexibility. Excellent resistance to fatigue and impact loads
- Non-leaking application. Possible application on vertical surfaces and overhead
- Mixing ratio not critical. Easy to use from cartridges and dispensing devices
- Stable formulation. Shelf life 6 months

PRODUCT PROPERTIES AT 22°C

Processing time (min.) Fixation time (min.): 5-8 >15

TYPICAL PROPERTIES OF THE SUPPLIED ADHESIVE

- Property Component A - adhesive Component B - activator Product after mixing A + B
- colour whitish amber natural (5)
- mixing ratio by volume 1:1
- mixing ratio by weight 1.05:1
- viscosity (Pa.s) 100 - 250 100 - 200
- density (g/cm³) 1.02 0.98 1.00



MA glue AT-2010

Fast Curing Two-Component Methyl Methacrylate Structural Adhesive - 1:1 AT-2010 is a high performance adhesive designed to bond a wide range of plastics, metals and composite assemblies. It offers excellent bond strength, is extremely durable and has excellent impact and weathering properties. AT-2010 holds weld mount parts in place without collapsing, and its five-minute clamping time makes it ideal for production use.

TT-number	Name	Specifications
1211900.050	MA glue AT-2010	50 ml

MAIN ADVANTAGES

- Minimum surface preparation
- 100% reactive
- Impact resistance
- Gap filling up to 9 mm
- Excellent strength
- Curing at room temperature
- Easy application

TYPICAL PROPERTIES BEFORE CURING

Viscosity (mixed)	85000-125000 MPa.s
Specific gravity	1.04 g/cm ³
Colour	Grey/white/light yellow
Mixing ratio	1:1

TYPICAL PROPERTIES AFTER CURING

Shore D hardness	65
Temperature operating range	-55°C to +105°C
Gap filling	9 mm
Tensile strength	26 - 28 N/mm ² on steel
Shear strength	18 - 24 N/mm ² on steel
Opening time	3 - 4 minutes
Green rigidity	5 - 6 minutes
Handling Strength	20 min. for 75% total strength



CYBERBOND Epoxy Steel / Liquid Metal

Versatile, adhesive, sealant, filling, non-sagging, stable, high strength. Ideal for: aluminium, steel, metal repair, stainless steel, copper, galvanised steel, brass, cast iron, also for hard plastics, wood, stone, glass.

Physical properties:

Adhesive base: epoxy

Appearance: silver grey

Viscosity: thixotropic mPa.s

Manipulation rigidity of the joint, time to form a manipulable joint:
reaction time 90 minutes

- curing time 120 minutes
- final strength 24 hours

Storage warranty: at room temperature and unopened 12 months

Physical properties Tensile strength 10 N/mm² Temperature stability
-55 to +95°C



TT-number	Name	Specifications
1211880.024	Cyberbond Epoxy steel	24 ml



Cyberbond Epox E706

This two-component epoxy adhesive is liquid with excellent shear strength. It is characterized by very fast handling strength and a short curing time.

Usage:

- bonds metals, aluminium, duralumin, wood, ceramics, glass
- suitable for polymer composite materials (e.g. polyester, epoxy, etc.)
- bonded sides need to be thoroughly roughened
- cured sealant can be machined, ground, drilled, turned or milled

Technical parameters:

- viscosity: component A max. 15 mPa.s
- density: 1.16 g/cm³
- mixing ratio: component A: component B = 1:1
- handling strength at 23°C: 10 minutes
- curing at 23°C: 10 - 15 minutes
- working temperature: -30°C/+80°C



TT-number	Name	Specifications
1211881.024	Cyberbond Epox E706	24 ml



OTHER

F90-S WELDING PROTECTION SPRAY 400 ML

An aerosol product that protects materials and surfaces from splashed hot metal particles during the welding process. Ensures perfect welding operation.

FUNCTIONS

Anti-adhesion, protective product for welding. Prevents adhesion of hot metal fragments to all treated surfaces. Suitable for protecting nozzles, welding units and tools. After evaporation of the solvent, non-flammable surface.

AREAS OF APPLICATION

Nozzles and covers. Workpieces and parts. Preparations. Automatic and semi-automatic welding. Welding robots.



TT-number	Name	Specifications	Colour
1200090.400	F90-S Spray welding protection	400 ml	Transparent

TECHNICAL PROPERTIES

Form	Aerosol
Colour	Transparent
Specific gravity	0.98 g/cm ³
Odour	Characteristic
Flash point	Not identified



F605-A ACRYLIC SEALANT 310 ML

Single-component universal acrylic sealant suitable for filling cracks and joints inside and outside. It is a cost-effective, elastic sealant ideal for static joints.

FUNCTIONS

Can be painted over and is very easy to apply and clean. Waterproof after curing. Can be used on all porous surfaces such as brick, concrete, wood, plasterboard etc. Odourless.

AREAS OF APPLICATION

Sealing of low movement joints between different construction materials (wood, concrete, brick, plasterboard, etc.). Filling cracks in walls and ceilings. Seals between windows, walls, doors, etc.



TT-number	Name	Specifications	Colour
1200605.310	F605-A Acrylic sealant	310 ml	White

TECHNICAL PROPERTIES

Base	Acrylic dispersion
Consistency	Smooth paste
pH	7 - 9
Specific gravity	1.62 ± 0.03 g/cm ³ (ASTM D 792)
Time without bonding	50 ± 20 minutes (23°C and 50% r. h.) (ASTM C 679)
Curing speed (mm/day)	2 mm/day (23°C and 50% relative humidity)
Shore A hardness	40 - 70 Shore A
Maximum extension	100% (ASTM D 412)
Temperature resistance	-10°C to +80°C
Processing temperature	+5°C to +40°C



Safety glasses

TT-number	Name	Size	Colour
1245021.000	VITO glasses, closed	uni	clear visor
1245020.000	ROY glasses	uni	clear visor



Disposable overalls

TT-number	Name	Size	Colour
1245060.000	Disposable overalls	L	White
1245060.001	Disposable overalls	XL	White



ANSELL gloves, acid-resistant

TT-number	Name	Size	Specifications
1245000.008	ANSELL SOL-VEX 37-676	8	1 pair
1245000.010	ANSELL SOL-VEX 37-676	10	1 pair



TEKPLAST gloves, acid-resistant

TT-number	Name	Size	Specifications
1245001.010	TEKPLAST gloves	10	1 pair



CXS STERN gloves, disposable

TT-number	Name	Size	Specifications
1245002.008	CXS STERN gloves	8	Pack of 100 pcs
1245002.010	CXS STERN gloves	10	Pack of 100 pcs



SPATULA ATTACHMENTS FOR CARTRIDGES



SMOOTH
EDGES



QUICK
USAGE



EASY
CLEANING



FOR SILICONE SEALANTS

1211040.000
Suitable for use on 1 mm straight joints.

1211041.000
Suitable for use on 3 mm straight joints.

1211042.000
Suitable for use on 5 mm straight joints.

1211043.000
Suitable for use on 8 mm straight joints.

1211044.000
Suitable for use on 3 mm rounded joints.

1211045.000
Suitable for use on 5 mm rounded joints.

1211046.000
Suitable for use on 8 mm rounded joints.

FOR ACRYLIC SEALANTS

1211030.000
Suitable for use on 3 mm rounded joints.

1211032.000
Suitable for use on 8 mm rounded joints.

1211031.000
Suitable for use on 5 mm rounded joints.



TOOLS

TIPS AND MIXERS

Tip for STANDARD cartridge
1242015.002



LINOP DT tip
1242015.021



Nozzle for "salami"
1211001.000



**Mixer for 225/2K 13x12,
for 220 ml cartridges**
1212225.900



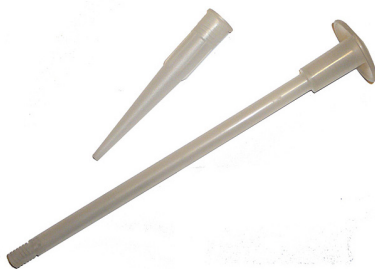
**Mixer for 225/2K 13x18,
for 490 ml cartridges**
1212225.901



Mixer for MA/2k 25 and 50 ml
1242015.001



Mixing set with nozzle
1212666.300



Pneumatic pistol

1242001.000
for 310 ml cartridges



Pneumatic pistol

1242002.000
for salami 600 g



Hand gun for salami

1242003.000
for salami 600 g



Hand gun for cartridges

1242006.000
metal 280 - 310 ml



Pistol for manual cartridges

1242007.000
plastic+metal 280 - 310 ml



Hand gun for salami

1242008.000
400 - 600 ml



Gun for PU foam - Teflon

1242030.000



WM handgun PM 207 2K

1242021.000

