

# ADHESIVES AND SEALANTS FOR THE AUTOMOTIVE INDUSTRY





KÖMMERLING have been involved in the development and distribution of high performance adhesives and sealants for more than 100 years. With the manufacture - in 1949 - of the first synthetic rubber based adhesive, KÖMMERLING reinforced their innovative position in the adhesive and sealant market.

The introduction of the first primerless 2-part sealant system in 1969 established the position of KÖMMERLING within the insulating glass market.

Our comprehension to provide customer oriented solutions brought us into the position we are today – a world wide recognized expert for adhesive and sealant applications.

Serious endeavour, persistence and the joy at creative problem solutions are the drivers for innovative development , pushing us daily to provide customer specific solutions which are superior in respect to technical and commercial issues. This is exactly what makes KÖMMERLING a perfect partner for the Construction , Automotive , Shoe , Upholstery and Mattress Industries.

With various locations in Germany, France, UK and U.S.A. KÖMMERLING provides a complete product range of adhesives and sealants that are used daily by more than 3.000 customers – worldwide.

Competence comes from know how!



### **KÖRACOLL**

Copolymers, aqueous

Solvent-free, in some cases very low activation temperature



### **KÖRAPLAST**

Polyurethane, contains solvent

Very good adhesion to various rubber mixtures



### **KÖRAMELT (thermoplastic)**

Thermoplastic hot-melt adhesives

Solvent-free, 100-percent solids, very good thermal stability characteristics



### **KÖRAMELT (reactive)**

Polyurethane, solvent-free

Moisture-curing, 100-percent solids



### **KÖDITEC**

Silicone

Good resistance to oil and fuel, good temperature stability



### **KÖRAPUR (elastic)**

Polyurethane

Elastic, one and two-component



### **KÖRAPUR (viscous, hard)**

Polyurethane

Two-component, solvent-free, rigid



### **KÖDIPLAST**

Butyl rubber

Universal adhesive sealant



5a 9a 12

Manufacture of rear trims, spoilers, and other components from thermoplastics and duroplastics



5a 9a 12

Bonding polycarbonate elements into SMC (sheet moulding compound) components

Manufacture of tailgates from thermoplastics and duroplastics

5b

Repairs to bumpers

3b 8

Manufacture of rub strips



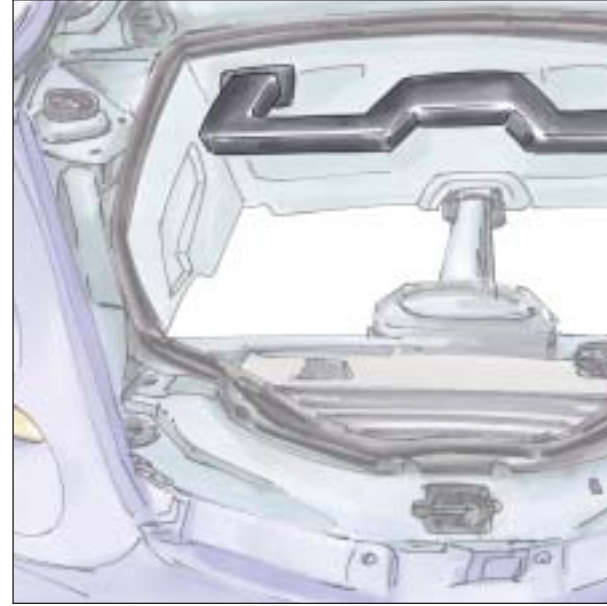
5a 9a

Elastic bonding of assembly aids and trim attachments





Manufacture of headlamp modules



Sealing of welds, bonding of bodywork parts in the engine compartment



Manufacture and bonding of hot-air channels



Primers for glass surround mouldings



Manufacture of acoustic panelling



Manufacture and sealing of air intake modules



Sealing of engine components





1 3b 10

Leather finish and cladding of instrument panel



1 5b 10

Manufacture and leather finish of steering wheels



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Flock-coating of storage trays, door pockets etc.

1 5b

Manufacture of interior strips and trim panels

1 3b

Manufacture of sun visors



1 3a 10

Manufacture of headliners (sandwich elements)

1 10

Cladding and leather finishing of central console





Cladding of door panels,  
bonding of retainers



Edge folding and  
bonding of cladding parts



Self-adhesive fittings,  
fixing of acoustic insulation  
parts in doors



Manufacture and  
flock-coating of door  
sealing rubber



Self-adhesive fittings  
of floor assemblies,  
insulation matting



Manufacture of seats,  
seat shells



Cladding of trunk linings,  
loading surfaces,  
and rear shelves



Bonding of spare  
wheel well

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Product group	Base	Special characteristics	Main uses
<b>KÖDIPLAST</b>	Butyl rubber	Universal adhesive sealant	Fixing and sealing of acoustic insulation parts in doors and engine compartment  Manufacture of headlamps  Sealing of cable bushes
<b>KÖRAPOX</b>	Epoxy resin	Two-component, solvent-free	Manufacture of headlamps
<b>KÖRATAC</b>	Polyurethane, synthetic resin, contains solvent	Primer systems	Primer for TPE glass surround mouldings (thermoplastic elastomer)  Bonding agent for coil coating applications
<b>KÖRAPOP (solvent-free)</b>	Mixed polymer	Very wide adhesive spectrum, one and two-component	Manufacture of exterior attachments  Bonding interior components  Adhesive/sealant for repair applications
<b>KÖRAPOP (sprayable)</b>	Mixed polymer	Very wide adhesive spectrum	Spray-on joint sealant with anti-corrosive function
<b>KÖRAPREN</b>	Polychloroprene (PCP), contains solvent	Contact adhesives with wide range of uses	Cladding for interior components
<b>KÖDISOL</b>	Polysulphide	Very good resistance to fuel, very good temperature stability	Manufacture of engine attachments
<b>KÖRABOND</b>	Synthetic resins	Primer systems	Bonding agent for various adhesive systems
<b>KÖRATAPE</b>	Acrylate adhesive tapes	Self-adhesive single and double sided	Fastening of emblems, bonding of décor trims and strips
<b>KÖRASOLV</b>	Solvent		Thinner, cleaning agent for various adhesive systems

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9a

9b

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# KÖMMERLING PRODUCT GROUPS - AN OVERVIEW

	Product group	Base	Special characteristics	Main uses
1	<b>KÖRACOLL</b>	Copolymers, aqueous	Solvent-free; in some cases very low activation temperature	Cladding and edge folding for manufacturing interior components  Flock-coating adhesives
2	<b>KÖRAPLAST</b>	Polyurethane, contains solvent	Very good adhesion to various rubber mixtures	Manufacture of door seal sections
3a	<b>KÖRAMELT (thermoplastic)</b>	Thermoplastic rubbers	Solvent-free, 100-percent solids, very good thermal stability characteristics	Assembly hot-melt adhesives with very wide adhesive spectrum  Pressure-sensitive hot-melt adhesives for self-adhesive fittings, for insulating films, etc.
3b	<b>KÖRAMELT (reactive)</b>	Polyurethane, solvent-free	Solvent-free, moisture-curing, 100-percent solids	Retainer bondings, clip bondings to attachments  Manufacture and cladding of interior paneling parts
4	<b>KÖDITEC</b>	Silicone	Good resistance to oil and fuel, good temperature stability	Sealing of engines, attachments  Mould compounds for rapid prototyping
5a	<b>KÖRAPUR (elastic)</b>	Polyurethane	Elastic, one and two-component	Manufacture of exterior attachments  Sealants in vehicle construction or repair
5b	<b>KÖRAPUR (viscous, hard)</b>	Polyurethane	Two-component, solvent-free, rigid	Repairs to bumpers



### **KÖRAPOX**

Epoxy resin  
Two-component, solvent-free



### **KÖRATAC**

Polyurethane, synthetic resin, contains solvent  
Primer systems



### **KÖRAPOP (solvent-free)**

Mixed polymer  
Very wide adhesive spectrum, one and two-component



### **KÖRAPOP (sprayable)**

Mixed polymer  
Very wide adhesive spectrum



### **KÖRAPREN**

Polychloroprene (PCP), contains solvent  
Contact adhesives with wide range of uses



### **KÖDISOL**

Polysulphide  
Very good resistance to fuel, very good temperature stability



### **KÖRABOND**

Synthetic resins  
Primer systems



### **KÖRATAPE**

Acrylate adhesive tapes  
Self-adhesive single and double sided



### **KÖRASOLV**

Solvent





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