

ADHESIVES AND SEALANTS FOR THE AUTOMOTIVE INDUSTRY

National
Seal Systems
Limited

Unit 210 Holly Road, Western Ind. Estate, Naas Road, Dublin 12.
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Web: www.nationalseal.ie



 **KÖMMERLING**



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!



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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



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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



1

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
	KÖDIPLAST	Butyl rubber	Universal adhesive sealant	Fixing and sealing of acoustic insulation parts in doors and engine compartment Manufacture of headlamps Sealing of cable bushes
	KÖRAPOX	Epoxy resin	Two-component , solvent-free	Manufacture of headlamps
	KÖRATAC	Polyurethane , synthetic resin , contains solvent	Primer systems	Primer for TPE glass surround mouldings (thermoplastic elastomer) Bonding agent for coil coating applications
	KÖRAPOP (solvent-free)	Mixed polymer	Very wide adhesive spectrum , one and two-component	Manufacture of exterior attachments Bonding interior components Adhesive/sealant for repair applications
	KÖRAPOP (sprayable)	Mixed polymer	Very wide adhesive spectrum	Spray-on joint sealant with anti-corrosive function
	KÖRAPREN	Polychloroprene (PCP) , contains solvent	Contact adhesives with wide range of uses	Cladding for interior components
	KÖDISOL	Polysulphide	Very good resistance to fuel , very good temperature stability	Manufacture of engine attachments
	KÖRABOND	Synthetic resins	Primer systems	Bonding agent for various adhesive systems
	KÖRATAPE	Acrylate adhesive tapes	Self-adhesive single and double sided	Fastening of emblems , bonding of décor trims and strips
	KÖRASOLV	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	KÖRACOLL	Copolymers, aqueous	Solvent-free; in some cases very low activation temperature	Cladding and edge folding for manufacturing interior components Flock-coating adhesives
2	KÖRAPLAST	Polyurethane, contains solvent	Very good adhesion to various rubber mixtures	Manufacture of door seal sections
3a	KÖRAMELT (thermoplastic)	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	KÖRAMELT (reactive)	Polyurethane, solvent-free	Solvent-free, moisture-curing, 100-percent solids	Retainer bondings, clip bondings to attachments Manufacture and cladding of interior paneling parts
4	KÖDITEC	Silicone	Good resistance to oil and fuel, good temperature stability	Sealing of engines, attachments Mould compounds for rapid prototyping
5a	KÖRAPUR (elastic)	Polyurethane	Elastic, one and two-component	Manufacture of exterior attachments Sealants in vehicle construction or repair
5b	KÖRAPUR (viscous, hard)	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



The logo for National Seal Systems Limited features a stylized 'N' composed of three horizontal bars: a dark blue top bar, a light blue middle bar, and a dark blue bottom bar. To the right of this graphic, the company name is written in a bold, sans-serif font. 'National' and 'Limited' are in dark blue, while 'Seal Systems' is in a lighter blue.

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The logo for Kömmerling consists of a square icon containing a stylized 'K' and 'F' intertwined, followed by the word 'KÖMMERLING' in a bold, uppercase, sans-serif font.

KÖMMERLING
KÖMMERLING CHEMISCHE FABRIK GMBH