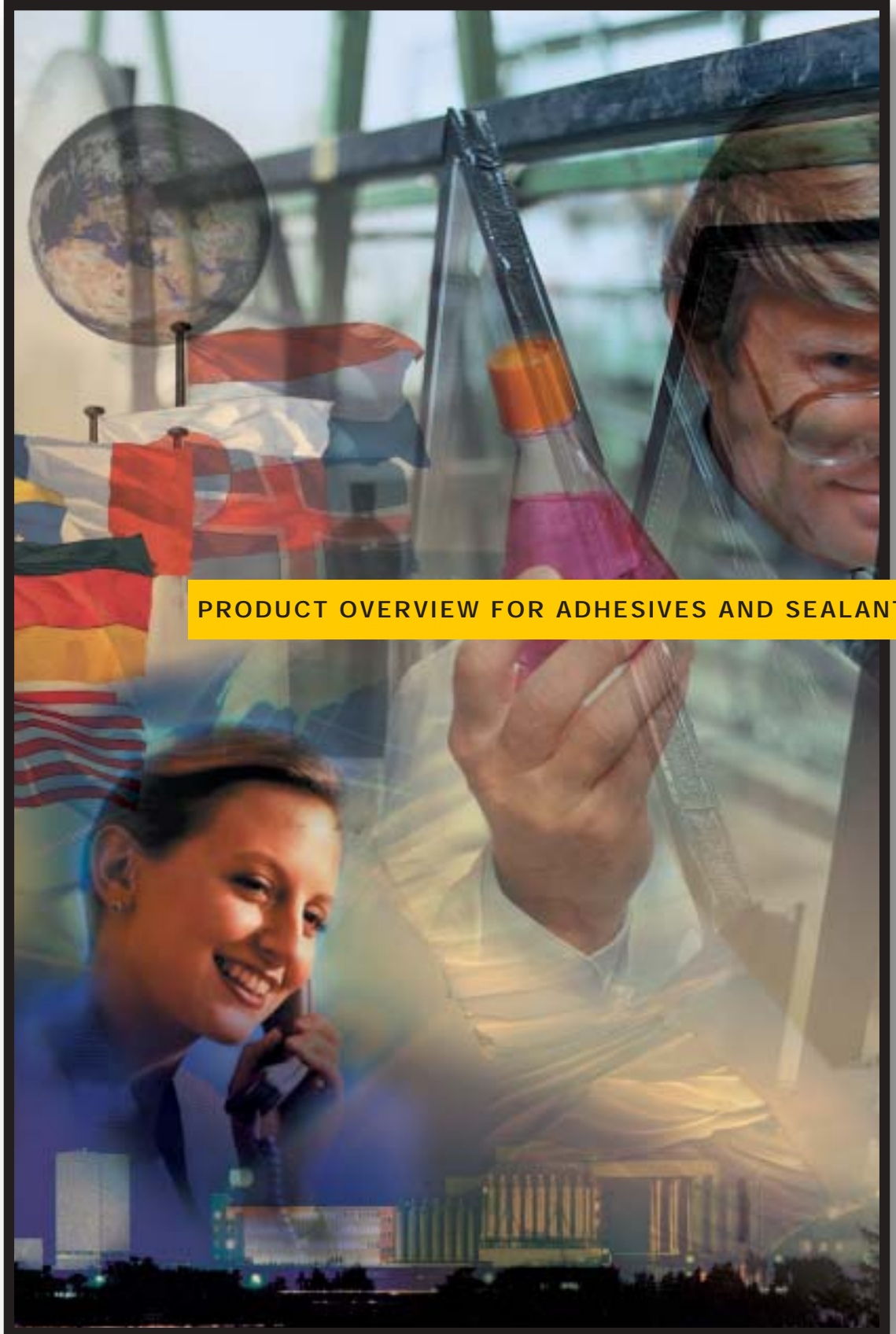
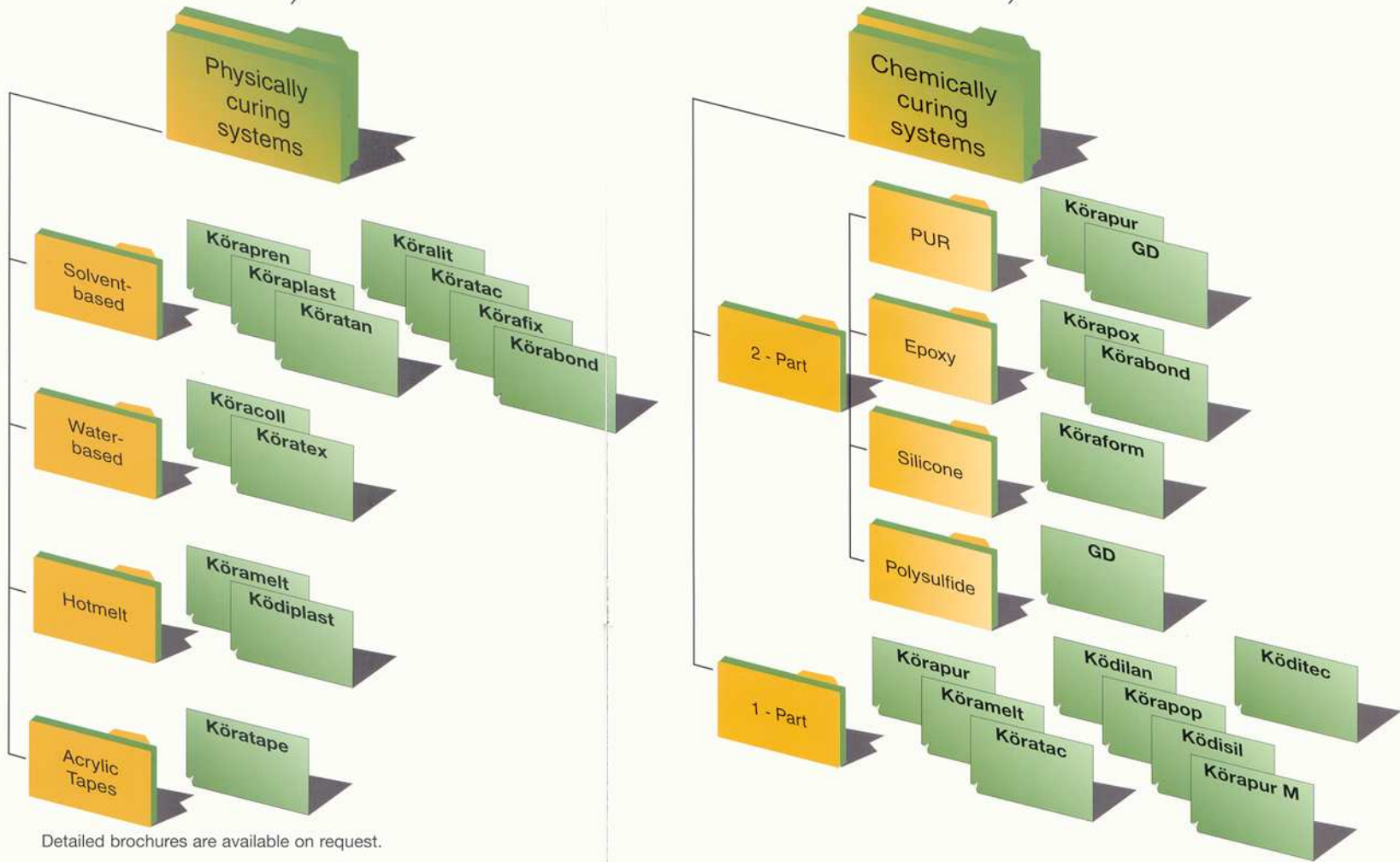


KÖMMERLING



PRODUCT OVERVIEW FOR ADHESIVES AND SEALANTS

Overview of KÖMMERLING Adhesives



Range of Products

Köramelt

Thermoplastic hotmelts

Mattress manufacture
Upholstered furniture
Pipe covering
Coffers
Self-bonding articles
Hygiene articles
Shoe uppers manufacture
Auto interior fittings

Köramelt Reactive

Reactive hotmelts

Furniture front foiling
Abrasives
Profile coverings
Shoe fabrication
Auto interior fittings
Book binding

Köراتان

Solvent containing
styrene rubber adhesives

Mattresses
Upholstered furniture
Shoe manufacture
Rigid foam bonding
Seal profiles
Shoe uppers manufacture

Köralit

Solvent containing
nitrile rubber adhesives

PVC foils on wood/metal
Shoe uppers manufacture

Körapren

Solvent containing
polychloroprene
adhesives

Rubber bonding
Shoe manufacture
Assembly adhesives in
interior construction
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

Köراتex

Latex dispersion

Shoe uppers manufacture

Köracoll

Dispersions

Furniture foiling
Foil lamination
Flocking
Self-bonding articles
Shoe uppers manufacture
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

Körapur M

(PUR) Prepolymere

Sandwich elements
Cover foil bonding
Sealing ring fixing
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

Ködimelt

Molecular sieve matrix

Thermoplastic spacer,
MS and intercept matrix

Körapop

POP-mixed polymere
adhesives

Car body sealing
Filling joints / gaps
Commercial vehicles
Caravans
Mobile homes
Rail vehicles
Plastics-metal bonding
Automotive aftermarket

Köraform

2-part-silicone moulding
and casting compounds

Pad printing
Vacuum casting
Moulds of art objects
Industrial arts
Electronics
Care of historical
monuments and buildings

Ködiplast

Butyle

Headlamps
Cover foil bonding
Base / Skirting boards
Commercial vehicles
Caravans
Mobile homes
Rail vehicles
Sound insulation

Körapur 1 K

1-part
polyurethane

Double bottom pillars
Car body sealing
Boat construction
House doors
Shoe bottom filler
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

Körapur 2 K

2-part
polyurethane

Sandwich elements
Window corner angles
Truck floor coatings
Truck assembly
Chimney construction
Commercial vehicles
Caravans
Mobile homes
Rail vehicles
Filter
Automotive aftermarket

Körapox

2-part
epoxy resin

Potting
Headlamps
Concrete coating

Körafix

Solvent containing
polychloroprene adhesives

Shoe manufacture

Köraplast

Solvent containing
polyurethane

Shoe manufacture
Rubber bonding
Lamination
Deep-drawing

Köratac

Diffusion adhesive
Cyanoacrylate
Laminating adhesive

Cold welding agent
Super glues
Coil coating
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

Körasolv

Solvent mix

Cleaner and diluent
Cold welding agent

Köditec

Elastic silicone adhesives and sealants

Fabric coating
Commercial vehicles
Caravans
Mobile homes
Rail vehicles
Motor sealing
Pad printing
Electronic casting
compounds
glues

Liquid sealants
Sensor filling
Chemically stable sealings
Equalizing and temperature
stable glues

Ködisil

1P-silicone sealants

Expansion joints
Sanitary area
Aquarium assembly
Mirror bonding
Window connection joints
Commercial vehicles
Caravans
Mobile homes
Rail vehicles

GD

2P-polysulfide
2P-polyurethane
1P-silicone, Hotmelt

Insulating glass production

Ködilan

1- and 3-part
casting resins

Attack-blocking glass
Acoustic insulation
UV-Protection

Körabond

Primer

Bonding agent
Pretreatment

Ködiscoll

Release agent

Mould release agent

Köraclean

Cleaner

Cleansing agent for rigid
PVC

Which adhesive should be used ?

	Metals*	Concrete rock gypsum, plaster board, cast, plaster	Wood, wood materials	Polystyrene rigid foam	PUR flexible foam	Plastics : * ABS, PVC, PS
Metals*	Körapox Körapur Köratac	Körapox Körapur	Körapur Köralit	Köracoll Körapur Köratan	Körapren Köratan Körapur	Köditec Körapox Körapur Köratac
Concrete rock gypsum plaster board cast, plaster	Körapox Körapur	Körapox Körapur	Körapox Körapur Körapren Köracoll	Köracoll Körapur Köratan Köramelt	Köratan Köracoll Körapur Körapren	Körapox Körapur Köratac
Wood, wood materials	Körapur Köralit	Körapox Körapur Körapren Köracoll	Körapox Körapur Körapren	Köracoll Körapur Köratan	Körapren Köratan Köracoll	Körapox Körapur Köratac
Polystyrene rigid foam	Körapur Köratan Köracoll	Köracoll Körapur Köratan Köramelt	Köracoll Körapur Köratan	Köratan Körapur Köramelt	Köratan Köracoll Köramelt	Köratan Köramelt Körapur
PUR flexible foam	Körapur Köratan Körapren	Köracoll Körapren Köratan Körapur	Körapren Köratan Köracoll	Köratan Köramelt Köracoll	Köratan Köracoll Köramelt	Köratan Körapren Köramelt
Plastics * PVC, ABS, PS	Köditec Körapox Körapur Köratac	Körapox Körapur Köratac	Körapox Körapur Köratac	Köramelt Körapur Köratan	Köratan Körapren Köramelt	Köratac Körapur Körapop
Rubber : * EPDM, CR, NBR, NR	Köratac Körapren	Ködiplast Körapren Köratan Körapox Körapur	Körapren Köratan Körapox	Köramelt Körapur Köratan	Köratan Körapren Köramelt	Körapren Köramelt Köraplast
PVC flexible films	Köralit Köraplast Köratac	Köralit Köratac Köracoll	Köraplast Köralit Köratac	Köracoll Köramelt	Köraplast Köramelt Köracoll	Köraplast Köramelt Köracoll
Leather, textiles	Köralit Körapren Köracoll	Körapren Köraplast	Körapren Köraplast	Köracoll Köramelt Köratan	Körapren Köraplast Köracoll	Köraplast Köralit Köramelt
Glass, ceramics	Körapox GD Körapop	Körapox Körapop Ködisil	Körapox	Körapox	available on request	Körapox
PUR rigid foam	Körapur	Köratan Körapur Körapren	Köratan Körapur Körapren	Köratan Körapur Köramelt	Körapren Köraplast Köracoll	Körapren Körapur Köratan

* Pretreatment required

This table is designed to help you in quickly finding an adhesive system for bonding the two materials or material groups indicated. Unfortunately limited space prevents us from listing all the combinations possible. Consequently, we have limited ourselves to the most common material combinations.

Our specialists would be pleased to assist you in selecting the right adhesive for special combinations not listed here. The individual company designations "Köraplast" etc. refer to the product group offering the special properties required for a particular application. Product information on the various products is available on request.

Rubber: * EPDM, CR, NBR, NR	PVC flexible films	Leather, textiles	Glass, ceramics	PUR rigid foam
Köratac Körapren	Köralit Köratac Köraplast	Köralit Körapren Köracoll	Körapox GD Körapop	Körapur
Ködiplast Körapren Köratan Körapox Körapur	Köralit Köratac Köracoll	Körapren Köraplast	Körapox Körapop Ködisil	Köratan Körapur Körapren
Körapren Köratan Körapox	Köraplast Köralit Köratac	Körapren Köraplast	Körapox	Köratan Körapur Körapren
Köramelt Köratan Körapur	Köracoll Köramelt	Köracoll Köramelt Köratan	Körapox	Köratan Körapur Köramelt
Köratan Körapren Köramelt	Köraplast Köramelt Köracoll	Körapren Köraplast Köracoll	available on request	Körapren Köraplast Köracoll
Körapren Köramelt Köraplast	Köraplast Köramelt Köracoll	Köraplast Köralit Köramelt	Körapox	Körapren Körapur Köratan
Köraplast Körapren Köramelt Ködiplast	Köraplast Köramelt	Köraplast Körapren Köramelt	Körapox	Köraplast Körapren Köramelt
Köraplast Köramelt	Köraplast Köralit Köramelt Köratac	Köraplast Köralit Köramelt	available on request	Köraplast Köratac Köramelt
Köraplast Körapren Köramelt	Köraplast Köralit Köramelt	Köraplast Köracoll	available on request	Köratan Körapren Köraplast
Körapox	available on request	available on request	Ködiplan Körapox Ködisil GD	Körapox
Köraplast Körapren Köramelt	Köraplast Köratac Köramelt	Köratan Körapren Köraplast	Körapox	Körapur Köratan Köramelt

Pretreatment

The adhesive properties depend among other things on the wettability of the substrate, this in turn being influenced by polarity (surface tension), surface finish, soiling, release agents, plasticizers etc.

The surfaces to be bonded often have to be pretreated in order to ensure optimal bonding.

Poorly bonding materials such as PE, PP, PA, EPDM, metals etc. have to be treated as described below in keeping with the requirements to be met by the bond.

Pretreatment Methods

1. Physical:

- Cleaning (washing with Köraclean = to remove dirt, release agents etc.)
- Roughening (e. g. cleaning, increasing the effective surface area, removal of oxide films)

2. Chemical

- Halogenation (activating the surface with Kö-Halosol, fluorination)

3. Physical-chemical

(surface activation)

- Corona
- Flame
- Pickling
- Plasma treatment

4. Coupling agents (primers)

- Improvement of adhesion. KÖMMERLING's "Körabond" product line offers a number of suitable agents, e.g. primers for metals, plastics, absorbent substrates, etc.

Over 100 Years of Experience in Adhesives and Sealants



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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