

FROM ONE SOURCE ADHESIVES AND SEALANTS FOR THE GLASS INDUSTRY



KÖMMERLING

LEADING TECHNOLOGY IN ADHESIVES & SEALANTS

Innovative Market Leader

KÖMMERLING CHEMISCHE FABRIK GMBH with its headquarters in Pirmasens is an international leading manufacturer of high performance adhesives and sealants.

Since KÖMMERLING was established in 1897, the company has again and again been a pioneer in the development of modern new technologies for adhesives and sealants.

Having gained more than 115 years of experience we are able to meet the highest quality demands. Thanks to our technical expertise combined with modern production procedures we are able to develop and produce a powerful product range.

As a result of its constant growth KÖMMERLING has come to take a leading competitive position globally, in particular as an innovative market leader in the area of insulating glass sealants.





PRODUCT OVERVIEW

INSULATING GLASS SEALANTS

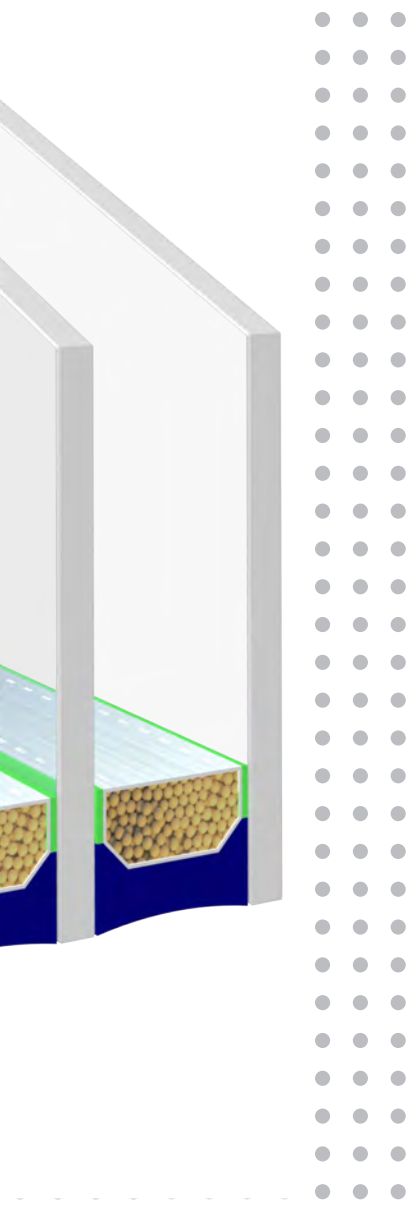
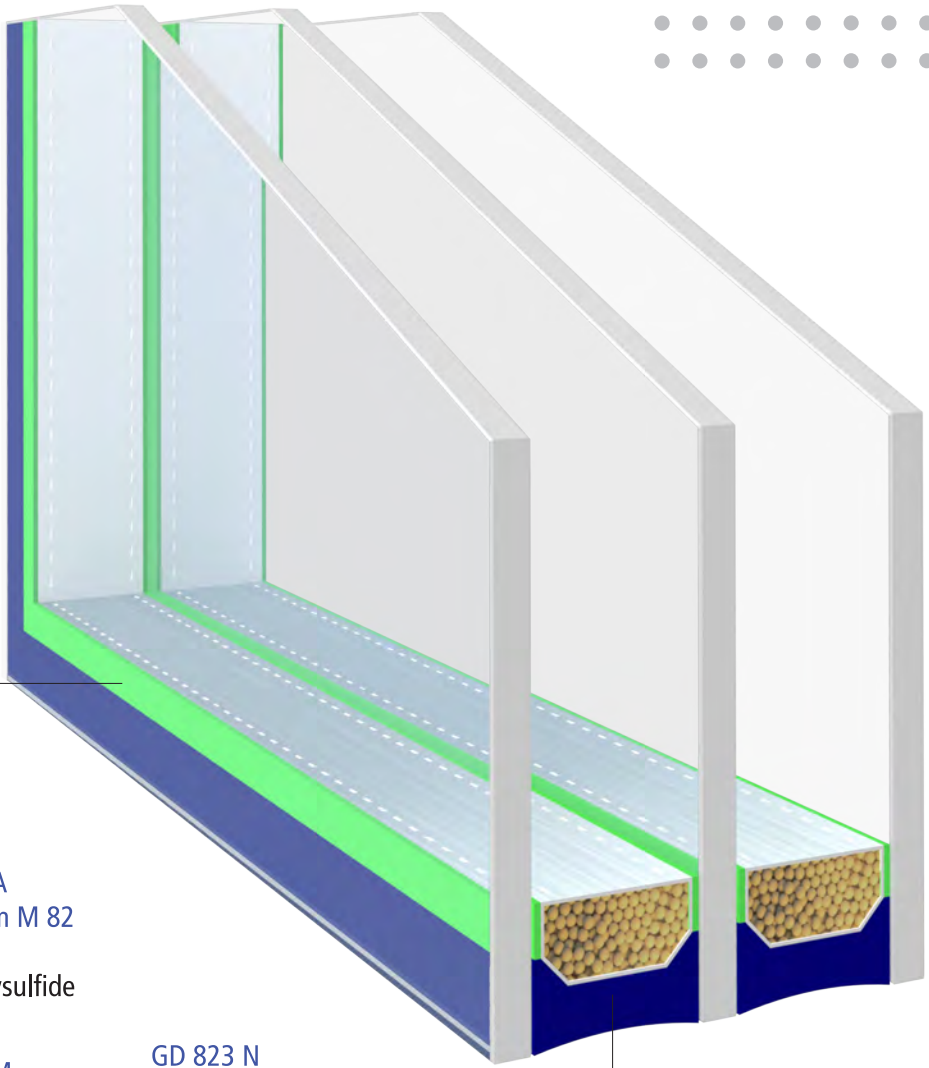


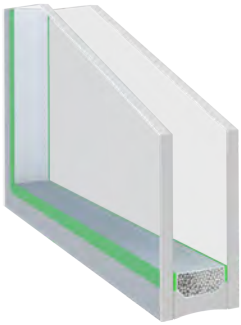
GD 115
GD 115 grey
GD 115 S
Naftotherm BU-S
Polyisobutylene (PIB)

GD 116
GD 116 NA
Naftotherm M 82
PS 200
2-part Polysulfide

GD 677
GD 677 HM
GD 677 NA
2-part Polyurethane
Isomelt
Ködimelt IG
Hotmelt

GD 823 N
1-part IG-Silicone
GD 920
2-part IG-Silicone
Ködiglaze S
2-part SG-Silicone





SEALANTS FOR THE PRIMARY SEAL POLYISOBUTYLENE

GD 115

Polyisobutylene

- Extremely low moisture vapour and gas transmission rate
- Good adhesion to glass and spacer bars
- Also available as pre-extruded tape
- Approved to EN 1279

GD 115 grey

Polyisobutylene

- Designed to seal gas filling holes

GD 115 S

Polyisobutylene

- Primary seal for flexible spacer bars
- Good adhesion to glass and spacer bars

Naftotherm BU-S

Polyisobutylene

- Extremely low moisture vapour and gas transmission rate
- Good adhesion to glass and spacer bars
- Also available as pre-extruded tape
- Approved to EN 1279





SEALANTS FOR THE SECONDARY SEAL

POLYSULFIDE / POLYURETHANE

GD 116

2-part Polysulfide

- Low moisture vapour transmission rate, good gas retention
- Tolerant of mix ratio deviations of up to $\pm 20\%$
- Wide adhesion range
- Approved by CEKAL and BCCA
- Approved for KÖMMERLING Direct Glazing Systems

GD 116 NA

2-part Polysulfide

- Low moisture vapour transmission rate, good gas retention
- Tolerant of mix ratio deviations of up to $\pm 20\%$
- Wide adhesion range

Naftotherm M 82

2-part Polysulfide

- Low moisture vapour transmission rate, good gas retention
- Tolerant of mix ratio deviations of up to $\pm 20\%$
- Wide adhesion range
- Approved and controlled by BCCA

PS 200

2-part Polysulfide

- Low moisture vapour transmission rate, good gas retention
- Tolerant of mix ratio deviations of up to $\pm 20\%$
- Wide adhesion range

GD 677

2-part Polyurethane

- Low moisture vapour transmission rate, good gas retention
- Fast adhesion build-up
- Very good adhesion to many kinds of plastic
- Approved by CEKAL

GD 677 HM

2-part Polyurethane for the manufacturing of Heat-Mirror™ insulating glass units

- High strength and elasticity

GD 677 NA

2-part Polyurethane mercury free

- Low moisture vapour transmission rate, good gas retention
- Fast adhesion build-up
- Very good adhesion to many kinds of plastic

All listed secondary sealants are approved to EN 1279





SEALANTS FOR THE SECONDARY SEAL SILICONE / HOTMELT

GD 920

2-part IG-Silicone

- Excellent UV resistance
- High modulus
- High temperature resistance from -40 °C to +150 °C
- ETA 08/0004
- SNJF VI-VEC

Ködiglaze S

2-part Structural-Glazing-Silicone

- Excellent UV resistance
- High modulus
- High temperature resistance from -40 °C to +150 °C
- ETA 08/0286
- SNJF VEC und VI-VEC

GD 823 N

1-part IG-Silicone

- Excellent UV resistance
- High temperature resistance from -40 °C to +140 °C
- Wide adhesion range

Isomelt

Hotmelt / Thermoplastic sealant

- Very low moisture and gas transmission rate
- Easy to melt
- Processing temperature +150 °C to +180 °C
- No waste disposal issues
- No purging or flushing losses

Ködimelt IG

Hotmelt / Thermoplastic sealant

- Very low moisture and gas transmission rate
- Easy to melt
- Processing temperature +150 °C to +180 °C
- No waste disposal issues
- No purging or flushing losses



WARM EDGE SYSTEMS

KÖDISPACE & KÖDISPACE 4SG

Ködispace and **Ködispace 4SG** are thermoplastic Warm Edge Systems with integrated desiccant which completely replace spacer bar, primary sealant and molecular sieve.

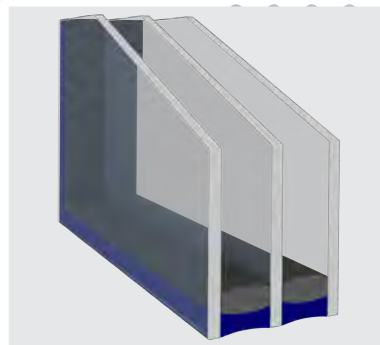
Ködispace 4SG has the additional ability to build a real chemical bond to glass and silicone which makes it especially suitable for the use in facades.



Ködispace

Thermoplastic spacer

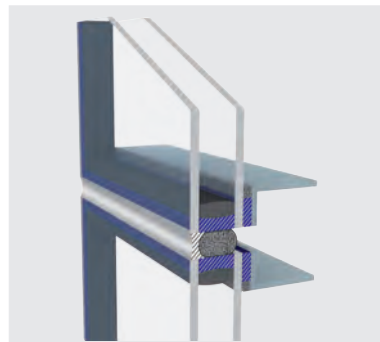
- Excellent psi-values
- Virtually unlimited shapes
- Spacer width from 1 mm to 20 mm possible
- Fast wet out to glass
- Extremely low moisture vapour and gas transmission rate
- High flexibility and long service life
- Also useful in the manufacture of composite laminates
- Approved to EN 1279



Ködispace 4SG

Thermoplastic spacer

- Best psi- and U_g -values also for facade glass panes
- Low thermal conductivity
- Especially suitable for Structural Glazing applications in hot climate zones
- Additional chemical bonding to glass and silicone secondary sealant, thus extremely tight and durable gas filled facade glass panes



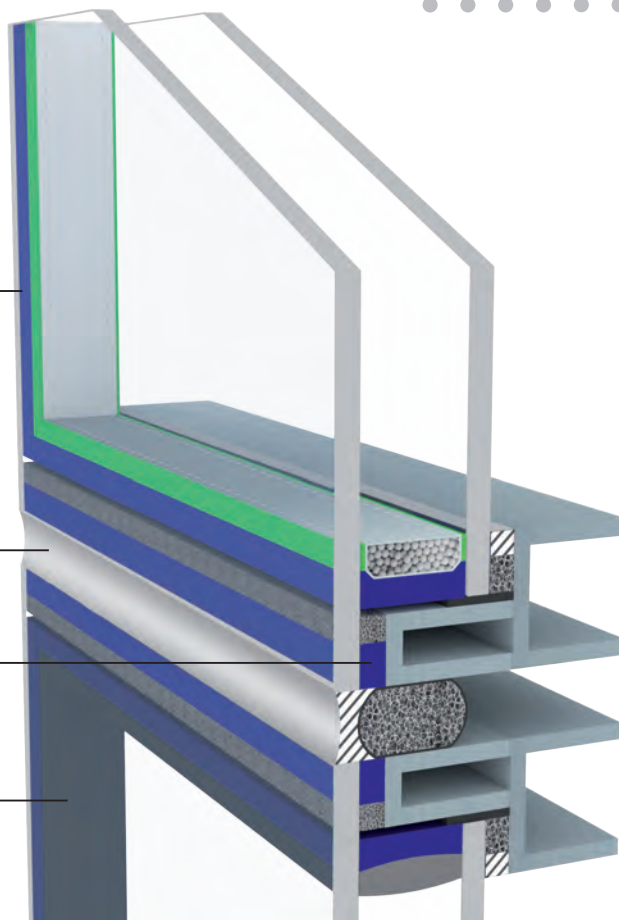
SYSTEM SOLUTION FOR STRUCTURAL GLAZING

Ködiglaze S
GD 920
2-part Silicone for the
secondary sealing of IG units

GD 826 N
1-part Silicone
Weather sealant

Ködiglaze S
2-part SG-Silicone

Ködispace 4SG
Warm Edge System



GD 826 N
1-part Alkoxy Silicone
- For the sealing of curtain walling, inclined glazing and
roof glazing
- Neutral curing and odourless
- Very good weathering resistance
- Excellent UV resistance
- High temperature resistance from von -40 °C to +150 °C
- Meets the highest requirements of DIN 18545, part 2,
group E and ISO 1600 25 LM G
- Approved acc. to EN 15651

SYSTEM SOLUTION FOR DIRECT GLAZING

Ködiglaze P

1-part Polyurethane adhesive for rebate bonding

- Specially designed for the bonding of insulating glass units into the sash of windows
- Formulation and properties specially adapted to insulating glass secondary sealant
- Very good weathering and temperature resistance
- Optimum stability and flow behaviour
- Excellent resistance to creep
- Can be processed both as 1- or 2-part system

Ködiglaze SDG

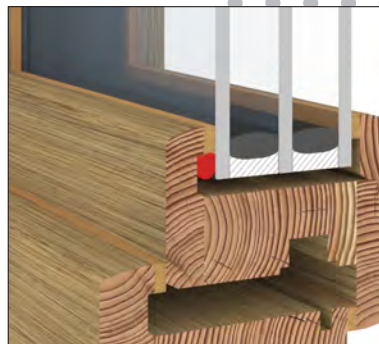
2-part Silicone adhesive for overlap or glass edge bonding

- Specially designed for the bonding of insulating glass units into the sash of windows
- Optimum pot life / curing ratio
- Optimum stability and flow behaviour
- Very good UV, weathering and temperature resistance
- High strength and elasticity
- Excellent resistance to creep

Ködiglaze ADG

2-part Acrylic adhesive for overlap bonding

- Specially designed for the bonding of insulating glass units into the sash of windows
- Very fast curing
- On many surfaces usable without pre-treatment
- Formulation and properties specially adapted for the use in wooden windows
- Very good UV, weathering and temperature resistance
- Optimum stability and flow behaviour
- Excellent resistance to creep



RC 2

ANTI-INTRUDER GLAZING

Ködiglaze P

1-part Polyurethane adhesive

- Specially designed for rebate bonding and for anti-intruder glazing in windows and doors (test certificate available)
- Formulation and properties specially adapted to insulating glass secondary sealant
- Available in 600 ml sausages

GD 116

2-part Polysulfide sealant

- Suitable for anti-intruder glazing in windows and doors
- Very good adhesion to glass and metal surfaces
- Available in 345 ml mixing cartridges



GLAZING SILICONE

KÖDISIL N

Ködisil N

1-part Silicone sealant

- For glazing applications and expansion joints
- Good weathering, ageing and temperature resistance from -40 °C to +160 °C
- Neutral curing
- Antifungal
- Fulfils the requirements of DIN 18545, part 2, group E
- Approved acc. to EN 15651



AUXILIARIES

LUBRICANTS, CLEANERS AND FLUSHING AGENTS

Köralub PS

Lubricant for Polysulfide sealants

- For sealings, plungers and cylinders of mixing and dispensing equipment
- Reduces wear and tear

Köralub SI

Lubricant for Silicone sealants

- For sealings, plungers and cylinders of mixing and dispensing equipment
- Reduces wear and tear
- Reduces hardening of Silicones curing by humidity

Köralub PUR/POP

Lubricant for Polyurethane and MS-Polymer sealants

- For sealings, plungers and cylinders of mixing and dispensing equipment
- Reduces wear and tear
- Reduces hardening of sealants curing by humidity

Körasolv PU 677

Purging and cleaning agent for GD 677 Polyurethane sealants

- For cleaning of mixing and dispensing equipment used in insulating glass applications

Körasolv SI

Purging and cleaning agent for 2-part Silicone sealants

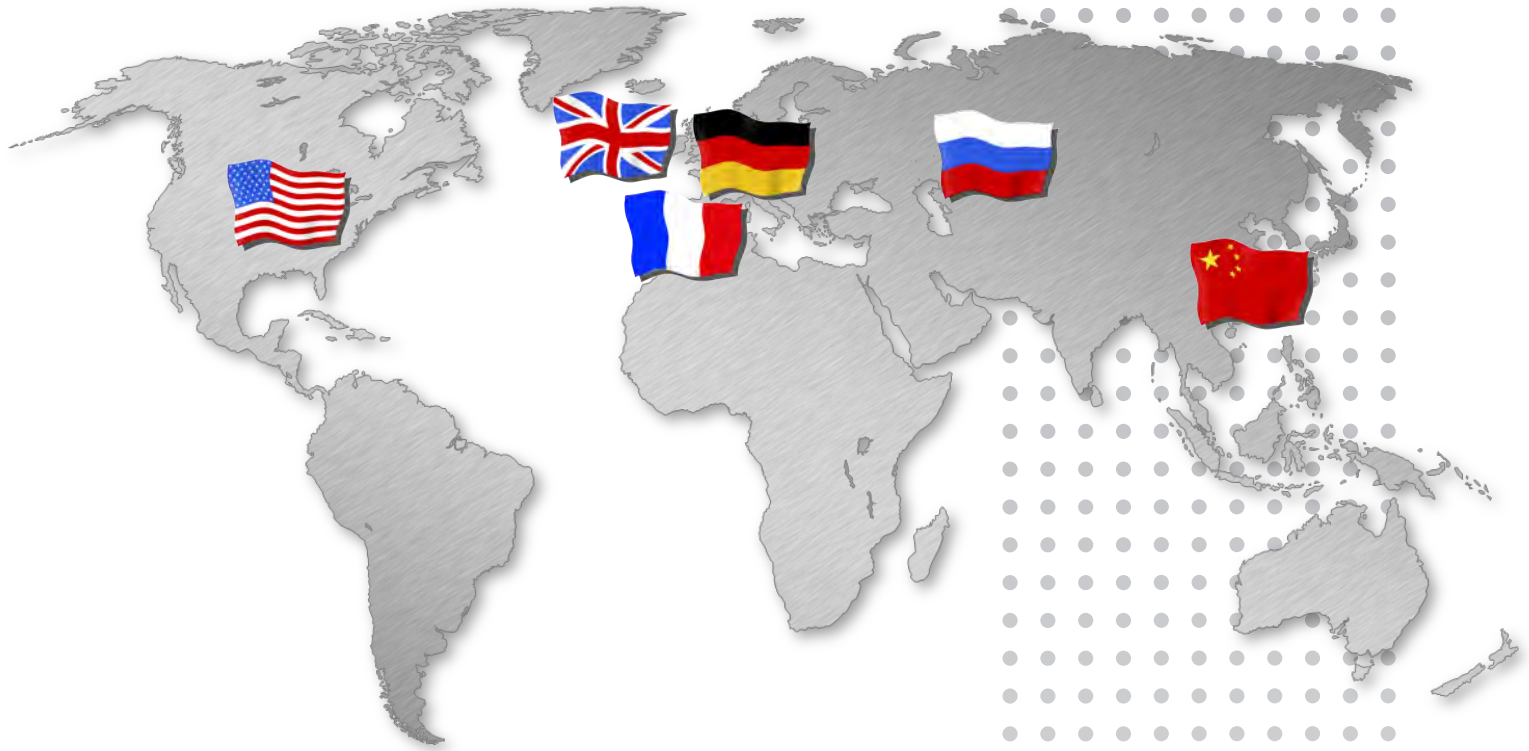
- For cleaning of mixing and dispensing equipment used in solar and insulating glass applications
- Dissolves cured and uncured Silicone sealants

Körasolv GL

- For cleaning and degreasing of plastic, metal and glass surfaces
- For removing uncured sealant and adhesive residues from tools and equipment
- As pre-treatment prior to bonding with KÖMMERLING adhesives and sealants



KÖMMERLING WORLDWIDE



KÖMMERLING

KÖMMERLING CHEMISCHE FABRIK GMBH

Kömmerring Chemische Fabrik GmbH
Zweibrücker Straße 200
D-66954 Pirmasens
Deutschland
0049 6331 562000 Telefon
0049 6331 561999 Fax
e-mail: info@koe-chemie.de
www.koe-chemie.de

Kömmerring UK Limited
27 Riverside Way, Uxbridge
GB-Middlesex UB8 2YF
United Kingdom
0044 1895 465 600 Telefon
0044 1895 465 617 Fax
e-mail: enquiries@kommerlinguk.com
www.kommerlinguk.com

Kömmerring Chimie Sàrl
7, Rue des Corroyeurs
F-67200 Strasbourg
Frankreich
0033.3.88.28.83.59 Telefon
0033.3.88.28.22.23 Fax
e-mail: info.france@koemmerling.com
www.koe-chemie.fr

ROYAL
Adhesives & Sealants LLC
2001 West Washington St
US-South Bend, IN 46628
USA
001 574 246 5000 Telefon
e-mail: info@royaladhesives.com
www.royaladhesives.com

ADCO Europe Holding GmbH
China Representative Office
1007 Air China Plaza,
36 Xiaoyun Road, Chaoyang District
CN - Beijing 100027 China
0086 10 6461 9988 Telefon
0086 10 6461 9900 Fax
e-mail: info@adcochina.net
www.koe-chemie.com

Kömmerring Chemische Fabrik GmbH
Russia Representative Office
ul. Kozjubinskogo, 4 - Building 3
RU-121351 Moscow
Russland
007 495 984 2174 Telefon
e-mail: info.ru@koemmerling.com
www.koe-chemie.com

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ADHESIVES & SEALANTS