

GD-SYSTEMS

# INSULATING GLASS SEALANTS



# INSULATING GLASS

## Success is our philosophy

KÖMMERLING CHEMIE – we take the progressive way into the future, with partners who are looking for success. Partners who are strong enough to meet the requirements of the market. Partners who are creative in making their own market. With our brand and our outstanding service, our partners are always one step ahead.

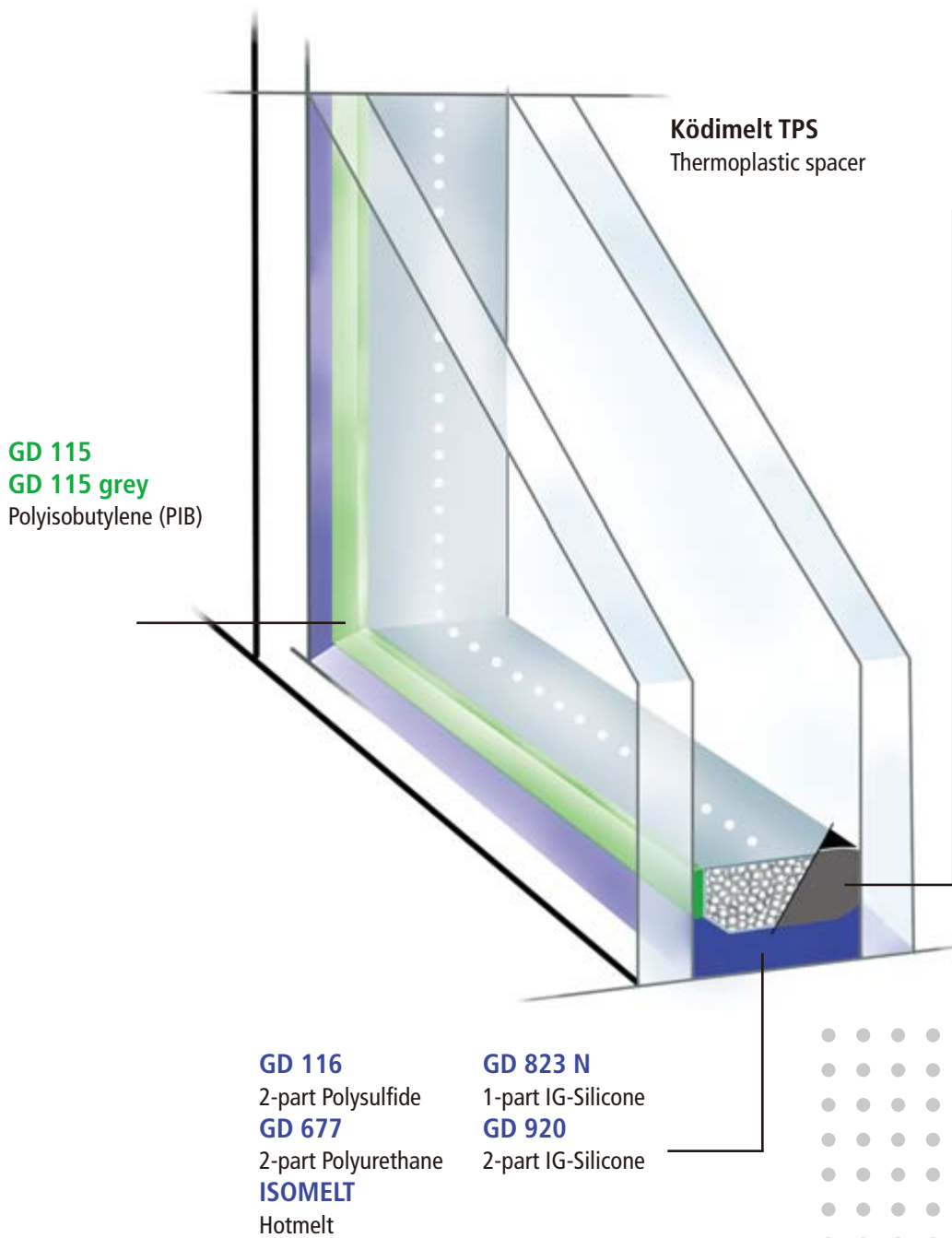
We take the progressive way into the future. We offer you the widest product range in sealants and adhesives as well as most modern technologies for resin-laminated products. With additional benefits for architects, designers, building owners and investors, it becomes easy for our partners to fulfill all customer demands.

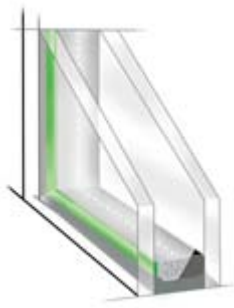
KÖMMERLING CHEMIE – We are the brand with the philosophy to do much more for you than others. Be part of a team that offers much more than a sealant.

KÖMMERLING CHEMIE – a bright prospect for you.



# IN DETAIL





## SEALANTS FOR THE PRIMARY SEAL POLYISOBUTYLENE / TPS®

### GD 115

#### Polyisobutylene

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

### GD 115 grey

#### Polyisobutylene

- Designed to seal gas fill holes



TPS®

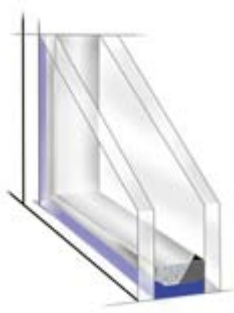
## THERMO-PLASTIC-SPACER

### Ködimelt TPS

Thermoplastic spacer material with integrated dessicant, replaces the spacer, primary seal and dessicant

- Tested to EN 1279
- Warm edge
- High productivity
- Virtually unlimited shapes
- Spacer width from 1 mm to 20 mm
- Fast adhesion to glass
- Extremely low moisture vapour and gas transmission rate
- High flexibility
- Long service life
- Also useful in the manufacture of resin laminates





## SEALANTS FOR THE SECONDARY SEAL

# POLYSULFIDE / POLYURETHANE / SILICONE / HOTMELT

### GD 116

#### 2-part Polysulfide

- Approved by CEKAL
- Low moisture vapour transmission rate, good gas retention
- Excellent processing properties
- Tolerant of mix ratio deviations of up to  $\pm 20\%$
- Good adhesion to a wide range of substrates

### GD 677

#### 2-part Polyurethane

- Approved by CEKAL
- Low moisture vapour transmission rate, good gas retention
- Fast adhesion development
- Very good adhesion to many kinds of plastics
- Good processing properties

### GD 920

#### 2-part IG-Silicone

- Excellent UV resistance
- Temperature resistant from  $-40\text{ }^{\circ}\text{C}$  to  $+140\text{ }^{\circ}\text{C}$

### GD 823 N

#### 1-part IG-Silicone

- Excellent UV resistance
- Temperature resistant from  $-40\text{ }^{\circ}\text{C}$  to  $+140\text{ }^{\circ}\text{C}$
- Simple to process with virtually no investment in plant and equipment

### Isomelt

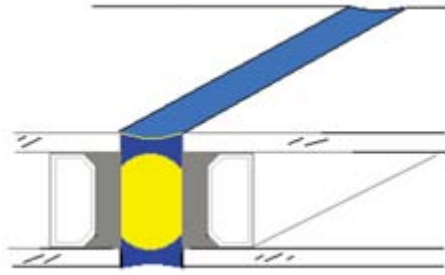
#### Hotmelt

- Very low moisture and gas transmission rate
- Melts easily
- Processing temperature  $150\text{ }^{\circ}\text{C}$  to  $180\text{ }^{\circ}\text{C}$
- Cost effective: no purging or flushing losses
- No waste disposal issues

Our primary and secondary sealants are approved according to the EN 1279 by independent institutes.







## AUXILIARIES WEATHER SEALANT

### GD 826 N

1-part Silicone-Sealant for the sealing of curtain walling, inclined glazing and roof glazing. Not suited for structural glazing applications.

- Neutral cure
- Low odour
- Excellent weathering performance
- Excellent UV resistance
- Temperature resistant from -40 °C to +140 °C
- Fulfils the requirements of DIN 18 545 part 2, group E



## AUXILIARIES GLAZING SILICONE

### Ködisil N

1-part Silicone-Sealant for glazing applications, jointing sealant and all joints subject to movement

- Resistant to ageing, weathering and temperature resistant from -40 °C to +160 °C
- Neutral cure
- Fungicidally equipped
- Fulfils the requirements of DIN 18 545 part 2, group E
- Partially overpaintable to DIN 52 452 part 4



# AUXILIARIES

## LUBRICANTS / CLEANERS / FLUSHING AGENTS

### Lubricant PSR

#### Lubricant for seals, piston rods and cylinders

- Useful for 2-part machines
- Reduces wear and tear
- For all sealants and adhesives based on polysulfide and polyurethane



### Körasolv PU 677

#### Safe solvent and flushing agent for GD 677 polyurethane sealant processing machines

- Useful for cleaning and flushing mixing and dosing machines used in IG manufacture
- Contains no halogenated hydrocarbons
- Intended to replace methylene chloride



### Körasolv GL

- For cleaning and degreasing of plastic, metal and glass surfaces
- Can be used to remove uncured sealant and adhesive residues from tools and equipment



# KÖMMERLING – MORE THAN A SEALANT

## Our philosophy ...

### ... more research and development!

We have the solutions for tomorrow's requirements today.

### ... more products!

We have the widest product-range in the market.

### ... more logistics!

We help to save your time.

### ... more consulting and training!

we increase your benefit, your certainty and your income return.

### ... more service!

We are there when you need us.

### ... more communication!

We are active in building-up your market.

### ... more quality!

We offer you high performance insulating glass sealants.



**KÖMMERLING**

**National  
Seal Systems  
Limited**

Unit 210 Holly Road, Western Ind. Estate, Naas Road, Dublin 12.  
Ph 01-4565170 Fx 014502371 Email [info@nationalseal.ie](mailto:info@nationalseal.ie)  
Web: [www.nationalseal.ie](http://www.nationalseal.ie)