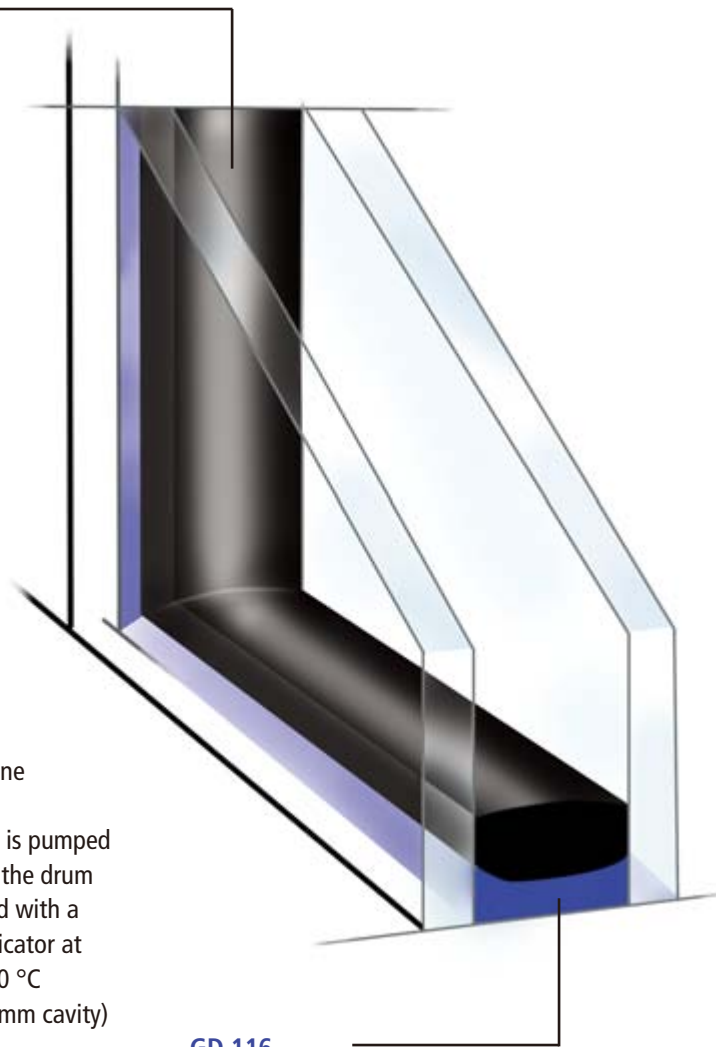


KÖDIMELT TPS
THERMO PLASTIC SPACER



KÖDIMELT TPS WARM-EDGE SYSTEM

Ködimelt TPS is a thermoplastic spacer with integrated dessicant which completely replaces conventional metal or plastic spacer, desiccant and primary seal.



Product description:

Polymer base: Polyisobutylene
Colour: black
Processing: Ködimelt TPS is pumped directly from the drum and is applied with a suitable applicator at 110 °C to 130 °C
Usage: 150 g/m (16 mm cavity)

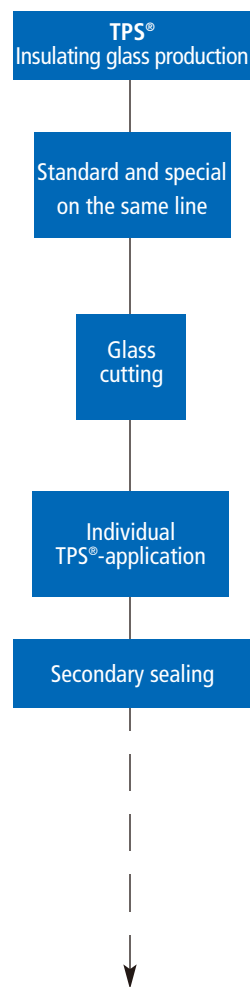
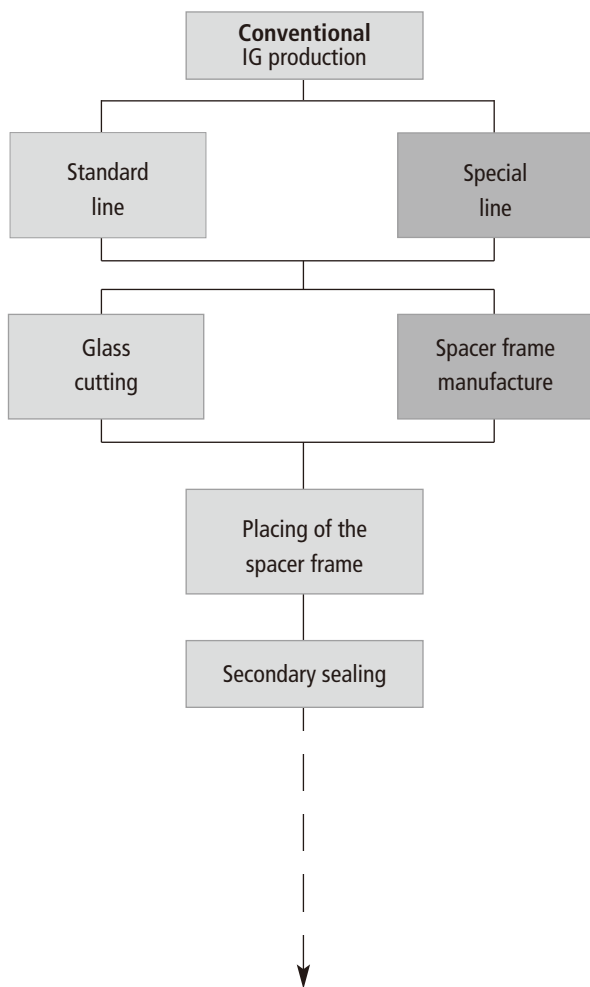
GD 116
2-part Polysulfide secondary sealant

GD 920
UV resistant, 2-part IG-Silicone secondary sealant

Dedicated weather sealant
GD 826 N
1-part Alkoxy-Silicone

KÖDIMELT TPS PRODUCTIVITY

The TPS® production in comparison
to a conventional IG production



Improved productivity:

- Less personnel
- Reduced number of stages
- No spacer bar wastage
- Sequential production
- Reduced logistical effort

KÖDIMELT TPS LONGEVITY

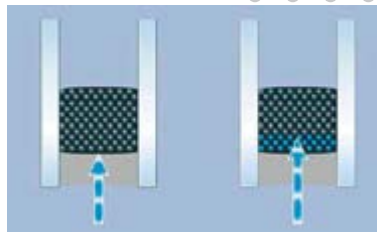
The perfect spacer frame

- Patented mitre joint
- Perfect corners (gas tight also with silicone secondary sealant)
- Homogenous, continuous TPS® spacer frame – the perfect primary seal



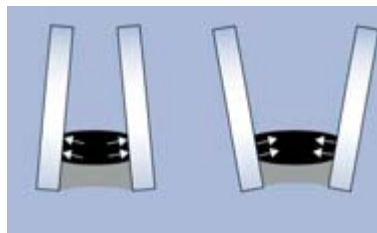
Water vapour and gas block

- Very low initial moisture loading
- The perfect seal against loss of gas and moisture penetration, increasing the service life



Flexibility

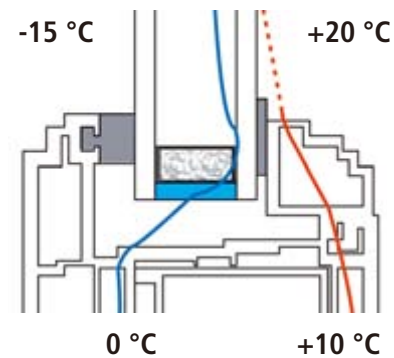
- Flexible edge seal
- Minimised shear and peel load once the IG unit is subjected to pressure changes („pumping“)
- Less stress in the edgeseal



KÖDIMELT TPS IMPROVED COMFORT



Distribution of the points of equal temperature with TPS® (Warm edge)



Distribution of the points of equal temperature with aluminium spacer bar

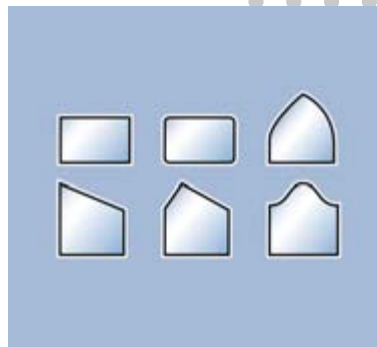
Comfort improvements with TPS®

- Colder temperature points now in the IGU cavity
- Less condensation on the IG unit
- Improved microclimate in living spaces

KÖDIMELT TPS MANY OPTIONS

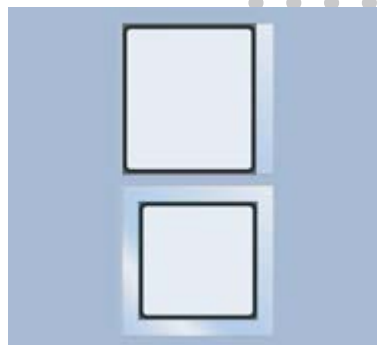
Bespoke designs

- A multitude of design possibilities while maintaining consistently high product quality
- Free forms can input directly from the CAD software



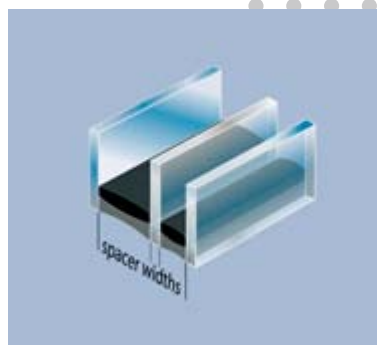
Stepped insulating glass

- Effortless production of 1-, 2-, 3- and 4-sided, gasfilled insulating glass units
- Stepped rectangular and shaped units



Triple Insulating glass

- Variable cavity widths can be combined
- Perfectly matched TPS® spacer (no shift)
- Cavity widths from 6 mm to 20 mm



Patterned glass

- TPS® edge seal adapts to the contour of the glass surface
- Excellent quality of seal even with the deepest patterns
- Fractures during manufacture reduced



KÖDIMELT TPS

THE BENEFITS AT A GLANCE

- Efficient production
- Improved insulation at the edge of the insulating glass unit (Warm edge)
- Reduced condensation at the edge of the IG unit
- Improved comfort
- Excellent adhesion to glass
- Exceptionally low moisture vapour and gas transmission, also with silicone
- High edge seal flexibility improves service life
- Continuous and consistent primary seal, completely sealed corners
- Bespoke shapes from CAD Data
- Cavity can be steplessly varied from 6 mm to 20 mm
- Type tested to EN 1279 (including silicone)
- Useful for the manufacture of resin laminates



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.



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