

# Ködispace 4SG

<b>General Properties</b>	Technology/Base	polyisobutylene
	Type of Product	insulating glass sealant reactive thermoplastic spacer
	Parts	one part system
	Color	black
	Product Benefits	high productivity due to fully automated application integrated desiccant warm-edge-system improved U-value of IG edge improved heat insulation optimized adhesion to glass and most silicone secondary sealants due to chemical bonding very low water vapour transmission rate and gas permeability very high UV resistance



## Technical Data

### General

<b>Physical Properties</b>		
Density	1.28 g/cm <sup>3</sup>	DIN EN ISO 2811-1, 23 °C
Standard moisture adsorption capacity (Tc)	3.6%	EN 1279-4 annex F
Thermal Conductivity	0.350 W/(m·K)	23 °C
<b>Processing Guidelines and Parameters</b>		
Shelf Life	12 months	
Storage Temperature	10 °C to 30 °C	
Processing Temperature	115 °C to 140 °C	
Melt Volume-Flow Rate (MVR)	15.0 cm <sup>3</sup> / 10 min	DIN EN ISO 1133, 10 kg, 130 °C
<b>Material Properties</b>		
Volatile content	≤ 0.008%	EN 1279-4 annex H
Fogging	without visual fogging	EN 1279-4 annex C
Fogging	without visual fogging	ift Guideline VE-07/3, 80 °C
<b>Cured Material Characteristics</b>		
Gas permeation rate (Argon)	0.0014 g/(m <sup>2</sup> ·h)	EN 1279-4 annex D
Gas permeation rate (Argon)	0.033 g/(m <sup>2</sup> ·d)	EN 1279-4 annex D
Water vapour transmission rate	0.15 g/(m <sup>2</sup> ·d)	EN 1279-4 annex D
<b>Service Conditions</b>		
Service Temperature	-40 °C to 90 °C	
<b>Packaging Units</b>		
Content	220 kg	drum



**Product Properties**

<b>Applications</b>	Fields of Application	manufacture of insulating glass
	Special Applications	manufacturing of laminated glass with liquid composite PIB based desiccant filled spacer for insulating glass
<b>Processing</b>	Suitable Substrates	glass
	Consistency	solid compound, can only be applied at elevated temperatures
	Surface Requirements	dry clean free of grease free of dust
	Surface Cleaning	Körasolv GL
	Application Method	automatic application drum melting system
<b>Certifications</b>	Certifications and Declarations of Conformity	ASTM E2190 CEKAL EN 1279 pt. 2 + 3 + 4 IGCC KIWA RAL-GZ 520
<b>Hints</b>	Supplementary Guidelines	Technical Information TI 69 polysulfide and silicone as secondary sealant



## Additional Information

### Storage

Ködispace 4SG should be used within the shelf life specified on the packaging. The storage stability only applies to material stored under appropriate conditions (original unopened containers, recommended storage temperature).

### Safety

Please read our Material Safety Data Sheet (MSDS) and the labels of each product before use. The valid safety regulations must be considered.

### Preparation

Due to the huge variety of available substrates preliminary testing regarding adhesion and compatibility is strongly recommended.

### Processing

Refer to the technical data table regarding processing parameters.

### Cleaning

Clean tools immediately after use. Appropriate cleaners are listed in the product properties table.

### Disposal

Please refer to the Material Safety Data Sheet (MSDS) for appropriate disposal instructions.

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