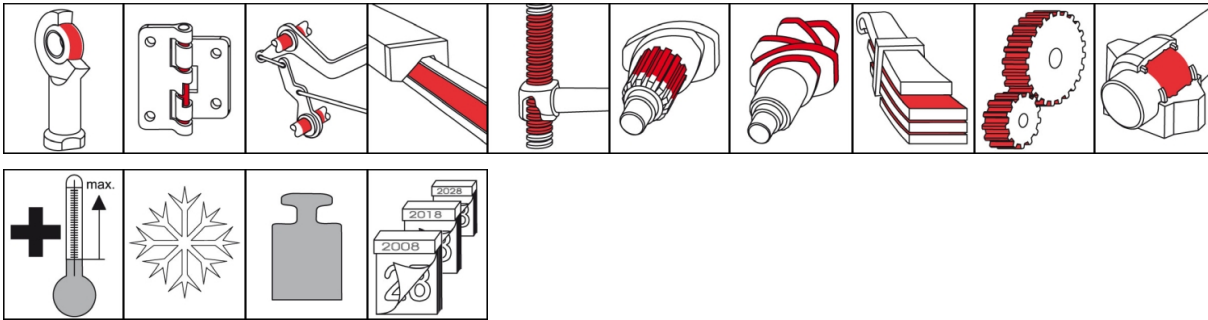


# OKS 589

## MoS<sub>2</sub> PTFE Bonded Coating, thermosetting



### Description

OKS 589 is a MoS<sub>2</sub>-PTFE bonded coating for dry lubrication of sliding surfaces under heavy loads, low speeds and corrosive influences

### Applications

- Dry lubrication with solid lubricants for long-lasting efficiency at low sliding speed and with high surface pressure
- Long-term lubrication with excellent protection against wear for increased service life of slide areas
- Fully effective even after longer downtimes; no adherence of dust and dirt

### Advantages and benefits

- High-strength long-term antifriction bonded coating with high efficiency through good adhesion on prepared surfaces
- Constant friction value of the sliding film even under extreme load
- Increased protection against wear of otherwise not accessible slide areas

### Branches

- Iron and steel industry
- Municipal services
- Paper and packaging industry
- Logistics
- Rubber and plastic processing
- Chemical industry
- Shipbuilding and marine technology
- Glass and foundry industry
- Plant and machine (tool) engineering
- Rail vehicle technology

### Application tips

For optimum adhesion clean surfaces, first mechanically and then with OKS 2610/OKS 2611 Universal Cleaner. The surfaces (roughness between 5 to 10 µm showed the best result) must be metallic bright and dry. Chemical or mechanical preparation of the surfaces might considerably improve the service life of the bonded coating. The application preferably is effected undiluted by spraying or dipping, in single cases also by brushing a uniform thin film on to the prepared surfaces. Local excess should be avoided. Drying and curing conditions acc. to the following technical data

### Packaging

- 5 kg Hobbock
- 25 kg Hobbock

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### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
binder				epoxy resin
solvent				ester
solvent				ketone
solid lubricants				PTFE
solid lubricants				graphite
solid lubricants				MoS <sub>2</sub>
<b>Application related technical data</b>				
flashing point	DIN 51 755 (-2)	< 65 (< 5°C)	°C	-1
lower operating temperature			°C	-70
upper operating temperature			°C	250
optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	10-20
surface covering			m <sup>2</sup> /kg	10-20
processing temperature			°C	20-25
drying time		20°C	min	10
curing time			min	60
curing temperature			°C	180-200
colour				matt black
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	1
thread friction coefficient (µ total)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.08
press-fit test (µ)	draft DIN 51 833			0,07, no chatter

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