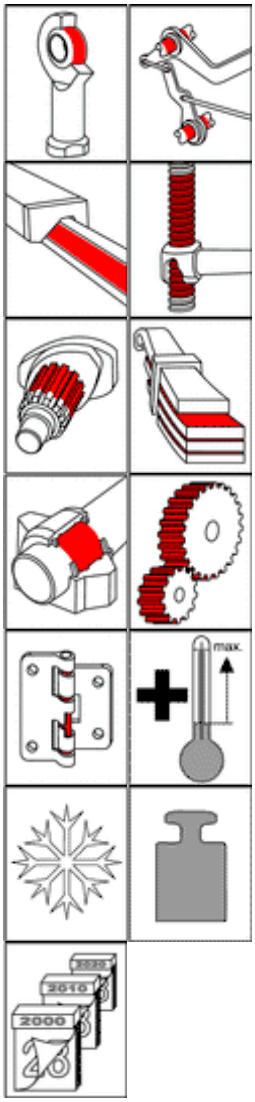
OKS 589 - Product Information

OKS 589
MoS_2-PTFE Bonded Coating, Thermosetting



Fields of Application:

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.

Application:

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. For further questions please contact our technical department.

Additional Information:

- 5 kg Hobbock (00589050)

Version:
E-04.1/13

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Technical Data

	Norm	Conditions	Unit	Value
Solid Lubricants				
Type				MoS_2, graphite, PTFE
Binder				
Type				epoxy resin
Solvent				
Type				ester, ketone
Flash point	DIN 51 755 (Teil 2)	<65°C (<5°C)	°C	-1
Film Layer				
Optimum layer thickness	DIN 50 981/50 984	DIN 50 982 - 2	µm	10 - 20
Application temperature			°C	20
Drying time		20°C	min	10
Curing time			min	60
Curing temperature			°C	180 - 200
Surface coverage			m^2/kg	10 - 20
Application Data				
Density	DIN EN ISO 3838	+20°C	g/ml	0,96
Colour				dull-black
Service Temperatures				
Minimum service temperature			°C	-70
Maximum service temperature			°C	250
Friction Values				
Thread	DIN 946	screw DIN 933, M10-8.8 plain nut DIN 934, M10-10.0, plain	μ_{ges}	0,08
Press-fit-test	E DIN 51 833		µ	0,07, no chatter