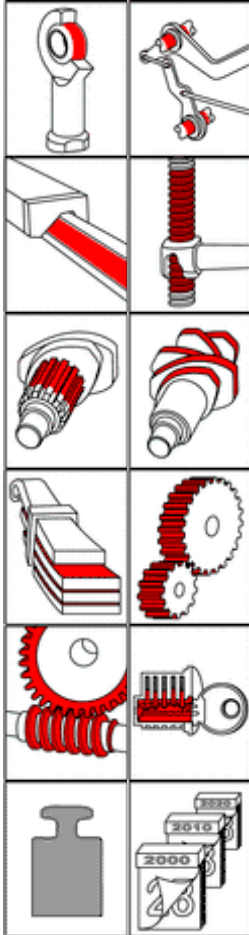




## OKS 500 - Product Information

### OKS 500 MoS<sub>2</sub> Bonded Coating, Thermosetting



#### Fields of Application:

Dry lubrication with solid lubricants at low sliding speeds subject to high surface pressures and predetermined sliding paths, e.g. on slide rails, joints, guides, pivoting bearings and similar components in which movements occur from case to case. Long-term lubrication similar to self-lubricating bearing materials as wear protection for increased service life of sliding surfaces. Fully effective even after long standstills, no adhesion to dust or dirt.

#### Advantages and Benefits:

Highly effective due to good adhesion to prepared substrates. Consistent coefficient of sliding friction under heavy loading of sliding film. Increased wear protection of sliding surfaces that can otherwise not be lubricated.

#### Application:

For best adhesion clean surfaces, best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. The surfaces must be metallic bright and dry. Chemical or mechanical preparation of the surfaces might considerably improve the service life of the bonded coating. Stir well prior to use. The application preferably is effected 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:

Packaging (article number):

- 500 g Tin (00500031)
- 5 kg Hobbock (00500050)

Version:

E-04.1/13

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# OKS 500 MoS<sub>2</sub> Bonded Coating, Thermosetting

## Technical Data

	Norm	Conditions	Unit	Value
<b>Solid Lubricants</b>				
Type				MoS <sub>2</sub> , graphite
<b>Binder</b>				
Type				epoxy resin
<b>Solvents</b>				
Type				butylacetate
Flash point	DIN 51 755 (part 2)	<65°C (<5°C)	°C	41
<b>Film Layer</b>				
Optimum Layer Thickness	DIN 50 981/50 984	DIN 50 982 - 2	µm	7 - 15
Application temperature		Room temperature	°C	approx. 20
Drying time		Room temperature	min	30
Curing time			min	60
Curing temperature			°C	180
Surface coverage			m <sup>2</sup> /kg	10 - 20
<b>Application Data</b>				
Density	DIN EN ISO 3838	+20°C	g/ml	1,1
Colour				black
<b>Service Temperature</b>				
Minimum service temperature			°C	-70
Maximum service temperature			°C	250
<b>Friction Values</b>				
Press-fit test	E DIN 51 833		µ	0,09, no chatter

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