



OKS 510 - Product Information

Fields of Application:

Run-in lubrication in cases in which oil or grease lubrication is not possible or practical. Shortens and improves run-in conditions of friction bearings, toothing and other sliding pairs, in particular under heavy loads and at low sliding speeds, with oscillating movements or intermittent operation. Dry lubrication with shortened sliding paths, in case by case operation also after long standstills, in case of possible exposure to dust or at high temperatures. Case by case continuous lubrication requires testing. Also for coating punching tools.

OKS 510 MoS₂ Bonded Coating, fast-drying

Advantages and Benefits:

Highly effective due to good adhesion to prepared substrates. Consistent coefficient of sliding friction under maximum loading of sliding film. Increased wear protection of sliding points that can otherwise not be lubricated. Radiation and vacuum-resistant.

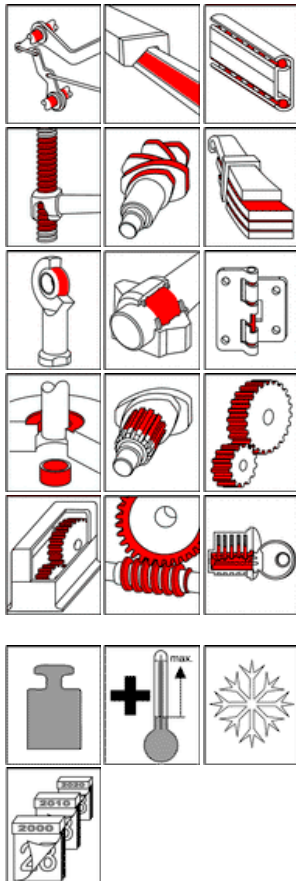
Application:

For optimum adhesion clean surfaces, first mechanically and then with OKS 2610/OKS 2611 Universal Cleaner. The surfaces (roughness depths between Rz 5 - 10 µm are favourable) 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 surface. 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 (00510031)
 - 5 kg Hobbock (00510050)
 - 25 kg Hobbock (00510062)
 - 180 kg Drum (00510070)

Version:
E-07.1/05



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Technical Data

	Norm	Conditions	Unit	Value
Solid Lubricants				
Type				MoS ₂ , Graphite
Binder				
Type				Silicone resin
Solvents				
Type				Butylacetate, Benzine
Flash point	DIN 51 755 (-2)	<65°C (<5°C)	°C	-30
Film Layer				
Optimum layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	10 - 15
Application temperature			°C	Room temperature
Drying time		+20°C	h	0,1
Curing time			h	0,5
Drying temperature			°C	20
Surface coverage			m ² /kg	10 - 50
Diluent				OKS 510/9
Application Data				
Density	DIN EN ISO 3838	+20°C	g/ml	0,96
Colour				grey
Service Temperatures				
Minimum service temperature			°C	-180
Maximum service temperature			°C	450
Friction Values				
Press-fit-test	E DIN 51 833		µ	0,07, no chatter

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