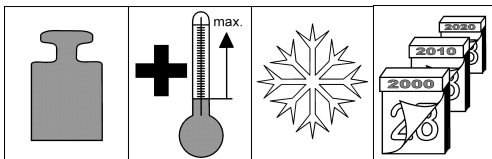
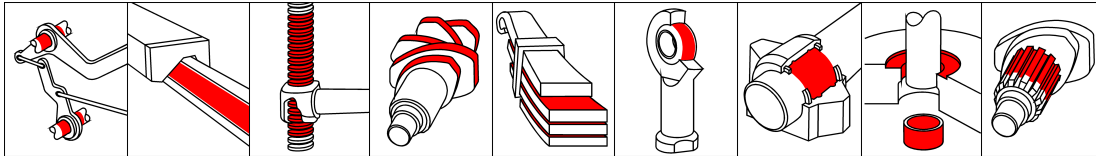


OKS 510 / OKS 511 MoS₂ Bonded Coating, fast-drying



Description

Air-drying bonded coating on MoS₂ basis for dry lubrication of machine elements at temporary operation and long standstill periods.

Applications

- Run-in lubrication in combination with oil or grease lubrication
- Dry lubrication at sliding pairs, in particular under heavy loads and low sliding speeds, at oscillating movements or intermittent operation
- Dry lubrication at high operating temperatures (up to 450°C), shorter sliding paths and low speeds
- Dry lubrication in dusty environment, to avoid adhesions
- Coating of punching tools

Main fields of application

- Wind energy plants
- Gearing manufacturing and maintenance
- Vacuum technology

Advantages and benefits

- Highly effective due to good adhesion to prepared substrates
- Allows a low coefficient of sliding friction also under heavy loading
- Increased wear protection
- Radiation and vacuum-resistant
- Shortens and improves run-in conditions of friction bearings, toothings and other sliding pairs
- Also available as spray version OKS 511

Application tips

For best adhesion, clean the surfaces mechanically first and then with OKS 2610 / OKS 2611 universal cleaner. The surfaces to be treated must be bright metal and dry, surface roughnesses of 5 - 10 µm have proved to be favourable. Chemical or mechanical pre-treatment of surfaces may extend the service life of the non-stick paint. Stir the paint thoroughly before use. At OKS 510 apply in an evenly thin film to the prepared surfaces, preferably by spraying or dipping, in individual cases also by brush. Spray on evenly OKS 511 spray. Avoid excesses. Drying and curing conditions as per the following technical data.

Our customer advice service will be pleased to help should you have any further questions.

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Technical Data

	Standard	Conditions	Unit	Value
Solid lubricant				
Type				MoS ₂ , graphite
Binder				
Type				Silicone resin
Solvent				
Type				Butyl acetate, benzene
Flashing point	DIN 51 755 (-2)	<65°C (<5°C)	°C	-30
Film layer				
Optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	10 - 15
Processing temperature		Room temperature	°C	approx. 20
Drying time			min	30
Surface covering			m ² /can	10 - 50
Application-specific data				
Density	DIN EN ISO 3838	20°C	g/ml	0.96
Colour				grey-black
Operating temperatures				
Lower operating temperature			°C	-180
Upper operating temperature			°C	450
Coefficients of friction				
Press-fit test	Draft DIN 51 833		µ	0.07, no chatter

Packaging

- 500 g tin
- 400 ml spray (OKS 511)
- 5 kg hobstock
- 25 kg hobstock

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