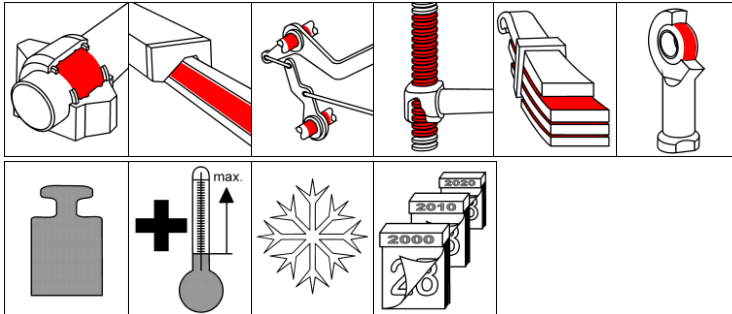


OKS 521 MoS₂ Bonded Coating, air-hardening



Description

Air-hardening bonded coating on MoS₂ basis for dry lubrication of machine elements subject to high demands.

Applications

- Lifetime lubrication of metal-to-metal connections at low to medium rotational speeds and high loads
- 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
- Dry lubrication at high operating temperatures (up to 450°C)
- Dry lubrication in dusty environment, to avoid adhesions

Main fields of application

- Mechanical engineering
- Gearing manufacturing and maintenance
- Vehicle industry
- Wind energy plants

Advantages and benefits

- Highly effective due to good adhesion to prepared substrates
- Allows a low coefficient of sliding friction also under heavy loading
- Very thin layer thicknesses possible
- Increased wear protection
- Rapid curing at room temperature
- Shortens and improves run-in conditions of friction bearings, toothings and other sliding pairs

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. Chemical or mechanical pretreatment of surfaces may extend the service life of the non-stick paint. Spray OKS 521 on evenly. 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				Polybutylene-titanate
Solvent				
Type				Mixture
Flashing point	DIN 51 755	Abel-Pensky, CC (active ingredient)	°C	> 12.5
Film layer				
Optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	5 - 20
Processing temperature				Room temperature
Drying time		at room temperature	min	< 5
Surface covering		Layer thickness 5-20 µm	m ² /can	3.75-15
Application-specific data				
Density	DIN EN ISO 3838	20°C (active ingredient)	g/ml	1.05
Colour				black
Operating temperatures				
Lower operating temperature			°C	-180
Upper operating temperature			°C	450

Packaging

- 400 ml aerosol

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