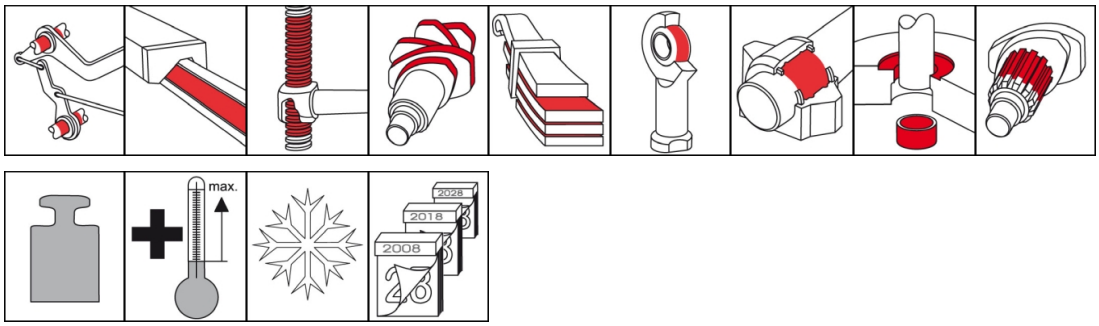
PRODUCT INFORMATION

OKS 511

MoS_2 Bonded Coating, fast-drying, Spray



Description

Air-drying bonded coating on MoS_2 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

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

Branches

- Iron and steel industry
- Rubber and plastic processing
- Chemical industry
- Logistics
- Paper and packaging industry
- Rail vehicle technology
- Glass and foundry industry
- Plant and machine (tool) engineering
- Municipal services
- Shipbuilding and marine technology

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.

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Packaging

- 400 ml Spray

Technical data

	Standard	Conditions	Unit	Value
Main components				
binder				silicone resin
solvent				butyl acetate
solvent				benzine
solid lubricants				graphite
solid lubricants				MoS_2
Application related technical data				
flashing point	DIN 51 755 (-2)	< 65 (< 5°C)	°C	-30
lower operating temperature			°C	-180
upper operating temperature			°C	450
optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	10-15
surface covering			m^2/kg	10-50
processing temperature			°C	20-25
drying time			min	30
colour				grey-black
density (at 20°C)	DIN EN ISO 3838		g/cm^3	0.96
press-fit test (µ)	draft DIN 51 833			0.07, no chatter

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