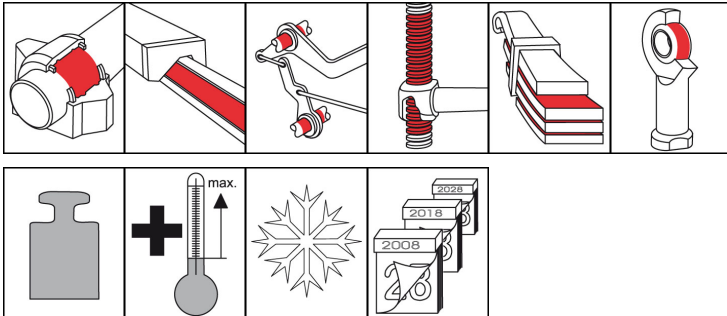


OKS 521

MoS₂ Bonded Coating, air-hardening, Spray



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

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, toothing and other sliding pairs

Branches

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

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.

Packaging

- 400 ml Spray



PRODUCT INFORMATION

OKS 521

MoS₂ Bonded Coating, air-hardening, Spray

Technical Data

	Standard	Conditions	Unit	Value
Main components				
binder				polybutylene-titanate
solvent				mixture
solid lubricants				graphite
solid lubricants				MoS ₂
Application related technical data				
flashing point	DIN 51 755 (-2)	Abel-Pensky, CC (active ingredient)	°C	> 12.5
lower operating temperature			°C	-180
upper operating temperature			°C	450
optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	5-20
surface covering		layer thickness 5-20µm	m ² /can	3.75-15
processing temperature			°C	20-25
drying time		room temperature	min	< 5
colour				black
density (at 20°C)	DIN EN ISO 3838		g/cm ³	1.05

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47
82216 Maisach
Phone: +49 (0) 8142 3051 - 500
info@oks-germany.com
www.oks-germany.com



The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. ® = Registered trademark
Safety data sheet for industrial and commercial users is available for downloading under www.oks-germany.com. Our Customer and Technical service will be pleased to help should you have any further questions.