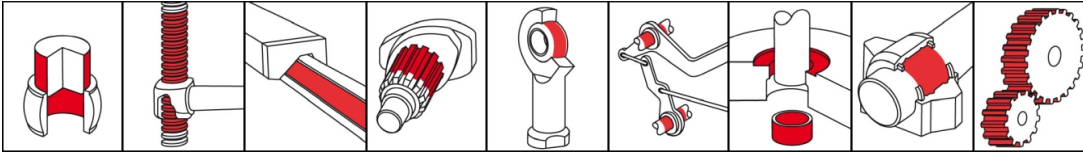


# OKS 221

## MoS<sub>2</sub> Rapid Paste, Spray



**Mo<sub>x</sub> Active**

### Description

Assembly paste with very high MoS<sub>2</sub> contents for pressing and moulding processes as well as run-in lubrication of highly loaded sliding surfaces.

### Applications

- Assembly paste for press-fitting wheels, shafts, tires or bearings
- Non-stick primer coat for moving threads, guides and slideways to prevent stick-slip effect, seizing and wear
- Wearing-in lubrication of highly stressed sliding surfaces such as plain bearings, gearwheels, crankshafts with provision of anti-seizing properties
- Suitable for non-cutting shaping of the difficult type, such as doming, pressing, embossing while avoiding critical metal contacts and welding

### Advantages and benefits

- Immediate effective protection against corrosion, wear and stick-slipping under high stress conditions
- No pressing onto the sliding surface required
- Highly effective due to the strong affinity of the MoS<sub>2</sub> for metals
- Extremely low friction at highest loading capability
- Increased operational reliability of moving parts due to anti-seizing properties
- Improved performance due to organic molybdenum complex compounds

### Branches

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

### Application tips

For optimum adhesion, clean contamination and other lubricants from sliding surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 220 thinly and evenly with a brush or spatula. Spray OKS 221 on evenly. Remove excesses. Do not use paste instead of grease and mix only with suitable lubricants.

### Packaging

- 400 ml Spray

# OKS 221

## MoS<sub>2</sub> Rapid Paste, Spray

### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				synthetic oil
thickener				without
solid lubricants				other solid lubricants
solid lubricants				MoS <sub>2</sub>
additives				Mo <sub>x</sub> -Active
<b>Application related technical data</b>				
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	260-290
lower operating temperature			°C	-35
upper operating temperature		separation	°C	450
upper operating temperature		separation under exclusion of oxygen	°C	630
colour				black
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	0.68
four-ball test rig welding load	DIN 51 350-4		N	4,200
thread friction coefficient (μ total)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.07
press-fit test (μ)	draft DIN 51 833			0,05, no chatter
<b>Properties and approvals</b>				
UFI				Y4H1-60MF-000H-7DKX

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 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  
**Product restricted to professional users.** Safety data sheet available for download at [www.oks-germany.com](http://www.oks-germany.com)  
 Our Customer and Technical service will be pleased to help should you have any further questions.