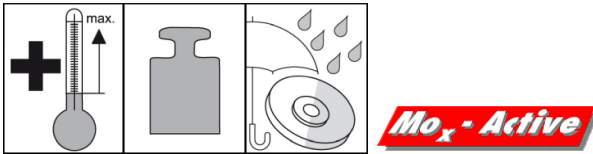
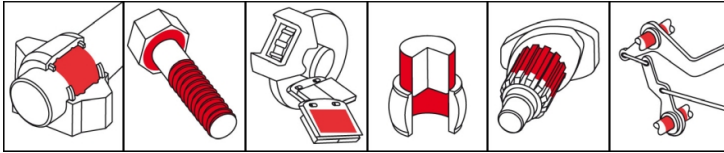


## OKS 2501

### White Allround Paste, metal-free, Spray



#### Description

High-temperature paste on ceramic basis for lubricating heavily loaded sliding surfaces.

#### Applications

- Lubrication of highly stressed sliding surfaces, especially at low slip speeds or with oscillating movements, for example with screwed, mating or bayonet connections made of high-alloy steel or non-ferrous metals
- Surface separation of temperature-stressed threaded connections, for example at combustion engines and turbines
- Corrosion protection at screws, pins, bolts, flanges, spindles and fits
- For stainless-steel connections

#### Advantages and benefits

- Economic product solution for users who previously used a wide variety of pastes
- Resistant to hot and cold water and also to most acids and lyes
- Excellent corrosion protection
- Contains Mo<sub>x</sub>-Active for increased performance
- Metal-free
- Also available as spray version OKS 2501

#### Branches

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

#### Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Evenly spray a sufficient amount of OKS 2501 onto the head or nut contact surface and thread. Do not use paste instead of grease and mix only with suitable lubricants.

#### Packaging

- 400 ml Spray

# OKS 2501

## White Allround Paste, metal-free, Spray

### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				synthetic oil mixture
thickener				Polyurea
solid lubricants				white solid lubricants
additives				Mo <sub>x</sub> -Active
<b>Application related technical data</b>				
drop point	DIN ISO 2176		°C	without
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	280-320
lower operating temperature			°C	-40
upper operating temperature		lubrication	°C	200
upper operating temperature		separation	°C	1,400
colour				white
density	DIN EN ISO 3838	at 20°C	g/cm <sup>3</sup>	0.78
salt spray test	DIN EN ISO 9227	layer thickness 60 µm	h	> 500
four-ball test rig welding load	DIN 51 350-4		N	3,600
Total friction coefficient (µ)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.12
Total friction coefficient (µ)	DIN EN ISO 16 047	Screw ISO 4017 A2 M10x55-70, Nut ISO 4032 A2 M10-70		0.15
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 2,7 x tightening torque
press-fit test (µ)	draft DIN 51 833			0,10, no chatter
<b>Properties and approvals</b>				
UFI				5R21-70XH-700A-14PV

**Klüber Lubrication München GmbH & Co. KG**  
 Geisenhausenerstraße 7 / 81379 München /  
 Germany / phone +49 89 7876-0

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.