



# OKS 250 - Product Information

## Fields of Application:

Lubrication of all kinds of highly stressed sliding surfaces, especially at low slip speeds or with oscillating movements, for example with screwed-, mating or bayonet connections made of steel or non-ferrous metals. Parting of temperature-stressed screwed connections – for example, in combustion engines and turbines – even after extended periods of operation. Corrosion protection for screws, pins, bolts, flanges, spindles and adapters in refineries, steel and cement works and also for ships and agricultural machinery.

**OKS 250**  
**White Allround Paste,**  
**metal free**

## Advantages and Benefits:

A single paste for many different applications. Lubricates very well, reduces wear, provides dependable separation, and ensures outstanding protection against corrosion. Economic solution for users who previously relied on a wide variety of special pastes. Resistant to hot and cold water and also to most acids and lyes. Classed under category H2 by the NSF under the number 131379. Contains no metallic pigments and is free of graphite, molybdenum disulphide and also additives containing sulphur. Improved performance due to organic molybdenum complex compounds.

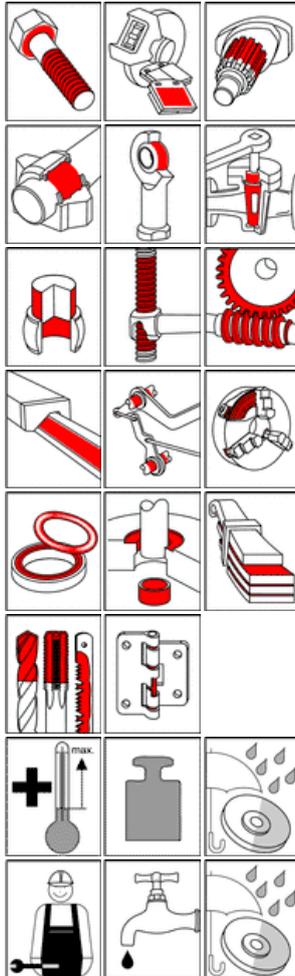
## Application:

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 or OKS 2611 universal cleaning agent. Use a brush, spatula or similar to apply a suitable quantity of paste evenly to the head or nut contact surface and to the thread. The paste will also act as a sealant. Do not use paste instead of grease and mix only with suitable lubricants. Our customer advice service will be pleased to help should you have any further questions.

## Additional Information:

- Packaging (Article number):
- 10 g Tube (00250011)
  - 100 g Tube (00250012)
  - 250 g Brush tin (00250030)
  - 1 kg Tin (00250034)
  - 5 kg Hobbock (00250050)
  - 25 kg Hobbock (00250062)

Version:  
E-05.1/05



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# OKS 250 White Allround Paste, metal free

## Technical Data

	Norm	Conditions	Unit	Value
<b>Base Oil</b>				
Type				Synthetic oil
Viscosity	DIN 51 562-1	+40°C	mm <sup>2</sup> /s	21
<b>Thickener</b>				
Type				Polyurea
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	1 - 2
Unworked penetration	DIN ISO 2137	No shear stress	0,1 mm	280 - 320
Drop point	DIN ISO 2176		°C	Not applicable
Oil separation	DIN 51 817	168h/40°C	Mass-%	0,5
<b>Additives</b>				
Solid lubricants, type				White solid lubricants
Solid lubricants, entire share	DIN 51 831-1	> 25 µm	Mass-%	35 - 40
<b>Additives</b>				
Additive				Mo <sub>x</sub> -Active
<b>Application Data</b>				
Density	DIN EN ISO 3838	+20°C	g/cm <sup>3</sup>	1,2
Colour				white
<b>Service Temperatures</b>				
Minimum service temperature			°C	-40
Maximum service temperature, lubrication			°C	200
Maximum service temperature, separation			°C	1400
Water resistance	DIN 51 807-1	+90°C	Grade 1-3	1 - 90
<b>Tests Corrosion Protection</b>				
Salt spray test	DIN 50 021	Layer thickness 50 µm	h	> 500
<b>Wear Protection Tests</b>				
VBT- weld load (Four ball test rig)	DIN 51 350-4		N	4.000
SVR- oscillation friction apparatus		Cyl./plate,450N,1000µm,50Hz,2h	µ	0,10 - 0,13
SRV-width of wear		Cyl./plate,450N,1000µm,50Hz,2h	mm	0,3
<b>Friction Values</b>				
Press-fit-test	E DIN 51 833		µ	0,08, no chatter
Thread friction	DIN EN ISO 16047	Screw: ISO 4017 M10x55-8.8 plane Nut: ISO 4032 M10-10 plane	µ	0,10

value				
Break-loose torque	DIN 267-27	M10 A2/40 Nm/400°C/100h	Nm	< 3,0 x tightening torque
<b>Specification / Release</b>				
Food processing industry				NSF H2 Reg.-Nr. 131 379

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