

Klüberbio LO 32-2500

Completely biodegradable lubricant for railway switches



Benefits for your application

- **Trouble-free operation over a wide temperature range due to solid lubricants providing emergency running properties**
- **Good UV resistance prevents rapid gumming of the applied lubricant after long exposure to sunlight**
- **Extended relubrication intervals due to good corrosion protection and resistance to washout by rain**
- **Low operating costs due to considerably lower lubricant consumption and less manpower for relubrication**
- **Eco-compatible due to biodegradability**

Description

Klüberbio LO 32-2500 is a synthetic, completely biodegradable special lubricant for railway switches.

Acc. to the OECD test 301 F the product is readily biodegradable (>=60 % after 28 days). The lubricant contains solid lubricants for emergency running properties.

As Klüberbio LO 32-2500 offers good corrosion- and wear protection and is resistant to washout by rain, lubrication intervals can be extended.

The product is effectively protected against UV light, which prevents rapid gumming in sunlight and hence an increase of switch setting forces.

Application notes

Klüberbio LO 32-2500 is applied by brush or spatula.

Relubrication intervals depend on ambient conditions, rain/snow and the frequency with which the switches are set.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Application

Klüberbio LO 32-2500 was developed for the lubrication of railway switch slide plates where it might drip off and pose a hazard to the environment.

Pack sizes	Klüberbio LO 32-2500
Bucket 25 kg	+

Product data	Klüberbio LO 32-2500
Article number	009009
Lower service temperature	-25 °C / -13 °F
Upper service temperature	80 °C / 176 °F
Colour space	black
Texture	homogeneous
Texture	short-fibred
Density at 20 °C	approx. 0.94 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	390 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	420 x 0.1 mm



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Flow pressure of lubricating greases, DIN 51805, test temperature: -25 °C	<= 1 400 mbar
Drop point, DIN ISO 2176	>= 120 °C
Four-ball tester, wear factor, DIN 51350 pt. 05, 1 h/400 N, wear scar diameter	<= 0.8 mm
Biodegradability according to OECD 301 F, (within 28 days)	>= 60 %
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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