

Klüberplus SK 13-398

Special grease for the lubrication and preservation of wire ropes during manufacture



Benefits for your application

- Effective corrosion protection
- Good adhesion
- Weather resistant
- Free of bitumen and solid lubricants

Description

Klüberplus SK 13-398 is a soap-free special grease based on mineral oil and wax. It is also free of bitumen and solid lubricants. Klüberplus SK 13-398 offers high adhesion, weathering resistance and corrosion protection. It is also highly suitable for application via the lubrication equipment employed during normal wire rope manufacture.

Application notes

Klüberplus SK 13-398 is applied in fluid form directly into the rope core during stranding. The optimum application temperature is between 90 and 130 °C. If the lubricant film applied is to be very thin, the temperature chosen should be in the upper range. A lower-range temperature leads to application of a thicker surface film.

Application

For wire rope impregnation and preservation during manufacture, especially for steel wire ropes that are coiled onto drums during use (e.g. in cranes, winches, lifting equipment etc).

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.

Pack sizes	Klüberplus SK 13-398
Bucket 25 kg	+
Drum 170 kg	+

Product data	Klüberplus SK 13-398
Article number	047059
Lower service temperature	-50 °C / -58 °F
Upper service temperature	80 °C / 176 °F
Colour space	brown
Needle penetration of paraffins, DIN ISO 51579, 25 °C, lower limit value	110 x 0.1 mm
Needle penetration of paraffins, DIN ISO 51579, 25 °C, upper limit value	170 x 0.1 mm
Salt spray test, DIN EN ISO 9227, 5 % NaCl, temperature 35 °C, layer thickness 35 µm, material steel S235JR+AR (RSt 37-2). Corrosion after	>= 200 h
Drop point, DIN ISO 2176, IP 396	>= 70 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months



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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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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.

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