

Klüberplus SK 07-205

Lubricating wax emulsion for boundary and mixed friction



Benefits for your application

- Low friction coefficient
- Good wear protection
- Prevents stick slip
- Miscible with water
- Water hazard category 1
- Easy application
- No adhesion of dirt or dust
- Suitable also for self-tapping screws
- Quick quality inspection of the coating after application by integrated UV indicator (visible at 300 - 400 nm)

Description

Klüberplus SK 07-205 is a light-coloured, water-miscible lubricating wax emulsion. Once dry, it forms a transparent dry lubricant film. Klüberplus SK 07-205 contains no solid lubricants. The dry lubricant film has a low friction coefficient and offers good absorption of pressure.

Application

With its dry transparent lubricant film, Klüberplus SK 07-205 is an all-purpose lubricant emulsion. For example, you can use it as a lubricant for self-tapping screws, nails and bolts to reduce the tightening torques or for hinges and plain bearings in windows and doors. Klüberplus SK 07-205 is ideal for slide and guide rails in kitchens, laboratory equipment, display cases, etc.. Because the resulting lubricant film is completely dry there can be no accumulation of dust or other contaminants during the storage or use of coated parts.

Application notes

Klüberplus SK 07-205 is a ready-to-use wax emulsion. If required it can be diluted with cold tap water at any mixing ratio. Klüberplus SK 07-205 can be applied by spraying and dip/spin coating, a process specifically developed for bulk coating. At room temperature, the wax emulsion once applied is fast to handle after about 15 minutes. The lubricant film is completely dry after one hour. Hot air can be used for much faster drying. However, make sure that the temperature of the substrate does not exceed 80 °C. Although Klüberplus SK 07-205 is a very stable emulsion, we recommend slight stirring for large dipping baths.

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 07-205
Bucket 15 l	+

Product data	Klüberplus SK 07-205
Article number	012189
Density, DIN 51757, 20 °C	approx. 0.98 g/cm ³
Texture	liquid
Colour space	white
Runout time, DIN EN ISO 2431, with flow cups, 3 mm nozzle	approx. 33 s



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Determination of pH value, DIN 51369, electrometrically, undiluted	approx. 9
Reichert fretting wear test, specific surface pressure (15 N ;1.7m/s 100m)	approx. 2 000 N/cm ²
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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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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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