

DUOFIX FA 11

Water-based graphite suspension with high lubricating capacity for hot-forming processes, e.g. steel forging



Benefits for your application

- Water-based product, dilutable to meet customer-specific process requirements
- Non-flammable product, increasing process reliability as well as workplace and environmental safety
- High content of active component reduces consumption
- Low tendency to form residues helps to improve mould filling and dimensional accuracy
- Product can be applied by conventional methods including spraying

Description

DUOFIX FA 11 is a water-based graphite suspension which offers good lubricating and die release capacity. This is of particular advantage in case of high surface pressures.

As the water evaporates, the viscosity and adhesion of DUOFIX FA 11 increases.

The type of graphite contained in DUOFIX FA 11 allows the product to be removed from the die without leaving much or any residues, thus ensuring good mould filling and dimensional accuracy.

DUOFIX FA 11 is easily sprayable despite its high active agent content.

Application notes

The product can be applied after thorough stirring using conventional application methods, for example sponge, brush, roller or spray nozzle, and be spread evenly either manually or automatically.

DUOFIX FA 11 can also be sprayed onto the hot surfaces using a spray gun (nozzle diameter 0.8 mm, compressed air approx. 2 bar, distance approx 10 - 20 cm).

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

DUOFIX FA 11 can be used for many hot-forming processes for aluminium, aluminium alloys and steel. It is particularly suitable for forging. Depending on the process requirements, DUOFIX FA 11 may be applied to the die neat or diluted.

Pack sizes	DUOFIX FA 11
Canister 10 l	+

Product data	DUOFIX FA 11
Article number	042016
Texture	liquid
Colour space	black
Density, DIN 51757, 20 °C	approx. 1.14 g/cm ³
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**

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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