PRESSPATE SEM 95 800 T, PRESSPATE TB

High-performance lubricants for cold forming of sheets and tubes

Your benefits at a glance

- Reduction of friction and wear, especially in deep-drawing and bending operations involving high degrees of deformation
- Improving process stability for a lower reject rate
- Increasing tool life; reduction of tooling costs and set-up times compared with conventional, fluid metal forming oils
- Workpieces can be cleaned using conventional cleaning agents and processes

Your requirements - our solution

In your metal forming operations, the challenge is to find a reliable lubricant that protects tools against wear. Upon completion of the forming process, the lubricant should be easily removed.

In this respect, PRESSPATE SEM 95/800 T and PRESSPATE TB can offer optimal support. Both products offer excellent lubrication performance especially when used for the cold forming of thick or thin metal sheets or tubes. This ensures easier process start-up even under difficult ambient conditions leading to a reduction of reject rates.

Due to the very good lubricating performance, PRESSPATE SEM 95/800 T and PRESSPATE TB pastes can be applied in small quantities. Consequently, components are easy to clean using aqueous systems.

PRESSPATE SEM 95/800 T has been tried and tested with numerous applications. For more taxing bending processes requiring higher performance, PRESSPATE TB should be given preference.

Application

You may use PRESSPATE SEM 95/800 T and PRESSPATE TB for highly varied applications in cold metal forming, especially for sheet metal and tubes.

This includes processes such as:

- drawing and deep drawing
- bending
- hydroforming
- tube bending using a mandrel
- calibrating sintered parts upon sintering

Both products have been successfully used in the processing of alloys based on steel, stainless steel, brass, aluminium and titanium.

Application notes

PRESSPATE SEM 95/800 T and PRESSPATE TB should be applied undiluted and at ambient temperature using conventional application methods, for example a sponge, brush or roller. In some cases automatic spreading could be a suitable option.

PRESSPATE SEM 95/800 T and PRESSPATE TB should not be agitated vigorously prior to application as this might affect the paste's consistency.

Guidance for cleaning by means of aqueous cleaning agents after the forming process:

- in ultrasonic bath at 60 °C minimum and for at least 30 seconds
- SurTec 143 for splash cleaning (SurTec 042 for steel)
- SurTec 089 for immersion cleaning

For recommendations on optimal aqueous cleaning processes, please contact our Freudenberg sister company SurTec at mail@surtec.com and visit the website www.surtec.com.

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	PRESSPATE SEM 95/800 T	PRESSPATE TB
Can 1 kg	+	+

a brand of FREUDENBERG

PRESSPATE SEM 95 800 T, PRESSPATE TB

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Bucket 25 kg	+	+
Drum 180 kg	+	+

Characteristics	PRESSPATE SEM 95/800 T	PRESSPATE TB
Article number	043050	043104
Colour space	beige	beige
Texture	gritty , soft	gritty , soft
Density, Klüber method: PN 024, 20°C	approx. 0.95 g/cm³	approx. 0.93 g/cm³
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm²/s	approx. 220 mm²/s
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months	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 95 years.

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