
TECHNICAL DATA SHEET

1. USE

SILUB 140/P is a powder lubricant containing high quality synthetic graphite, adhesion additives and film-forming components.

SILUB 140/P has been developed to withstand the high pressure, the high temperature and friction that take place during the PQF and FQM rolling mill process of seamless steel pipes production.
For each mill process a tailor made mandrel lubricant formulation is available.

SILUB 140/P for its excellent lubricating action promotes high standards of performance and quality of the internal surface of the pipes, reduces costs and increases productivity.

2. CHEMICAL PHYSICAL PROPERTIES

POWDER LUBRICANT

Appearance:	Powder
Color:	Black
Odour:	Odourless

GRAPHITE PROPERTIES

Type:	Synthetic
Purity:	Carbon content > 98%
Graphite particle size distribution:	95% < 100 µm 50% < 40 µm

LUBRICANT TO THE LIQUID STATE (DISPERSION : 27% POWDER / 73% WATER)

Viscosity at 20°C (Brookfield Viscosimeter Mod. LVDV2T Extra Spindle n°2; rpm 30; temp.=20°C ± 0,5; time=60 sec.):	350 ± 100 mPas
pH:	> 7
Solids:	22 ± 2 % of graphite
Density at 20°C	1,1 ± 0,1

3. PREPARATION

SILUB 140/P has to be diluted with water, better if drinking, in a mixing ratio of 27 % powder in 73 parts of water.
SILUB 140/P has to be added gradually to the water under agitation.
The viscosity, tested with Brookfield Viscosimeter, can be readjusted by adding water or SILUB 140/P.

4. APPLICATION

SILUB 140/P is applied with a spraying system on the mandrel having a temperature between 100 and 140°C, using aerless pumps with a pressure of 20/100 bar.
The consumption of SILUB 140/P depends on the spraying pressure, the diameter of the spraying nozzle and the translation speed of the mandrel bar.
The SILUB 140/P has a faster drying time compared to other common lubricants and the film obtained presents hard, compact and not washable away.

5. STANDARD PACKING

- 300 kg big bag, 3 - 4 big bags on one pallet (900 - 1.200 kg)
 - 600 kg big bag, 2 big bags on one pallet (1.200 kg)
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6. STORAGE

SILUB 140/P has to be stored in a cool dry and ventilated place far from heating sources.
Under these conditions it may be stored for 2 years. Storage temperature of the liquid product has not to be under 0°C and should not exceed 40°C in order to prevent the degradation of the dispersion. Freezing has to be avoided in any case. Once prepared the dispersion should be used within one week.

The descriptions and technical slight knowledge contained herein have pure informative character and they do not constitute specific.

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