

TECHNICAL DATA SHEET

1. USE

- SILUB 80/P** is a powder lubricant containing high quality synthetic graphite, adhesion additives and film-forming components.
- SILUB 80/P** has been developed to withstand the high pressure, the high temperature and friction that take place during the MPM, PQF and FQM rolling mill process of seamless pipes production.
For each mill process a tailor made mandrel lubricant formulation is available.
- SILUB 80/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

Appearance:	Powder
Color:	Black
Odour:	Odourless

GRAPHITE PROPERTIES

Type:	Synthetic
Purity:	Carbon content > 98%
Graphite particle size distribution:	95% < 150 µm 50% < 40 µm

WATER DISPERSION PROPERTIES

(% dispersion ratio: 30 powder / 70 water)

Viscosity (20/25/30°C): (Ford Cup Ø 6 mm. discharge nozzle)	40 ± 20 sec.
pH at 20°C	> 7
Solids: (Graphite content)	25 ± 2%

3. PREPARATION

SILUB 80/P has to be diluted with water, better if drinkable, in a mixing ratio of 30% powder in 70% of water.
SILUB 80/P has to be added gradually to the water under agitation.
The viscosity, tested using a Ford Cup Ø 6 mm. discharge nozzle, can be readjusted by adding water or SILUB 80/P

4. APPLICATION

SILUB 80/P is applied with a spraying system on the mandrel having a temperature around 100°C, using aerless pumps with a pressure of 20/100 bar.
The consumption of SILUB 80/P depends on the spraying pressure, the diameter of the spraying nozzle and the translation speed of the mandrel bar.
The SILUB 80/P has a fast drying time and the film obtained presents hard, compact and not washable away.

5. STANDARD PACKAGING

- 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)
 - 20 kg paper bags
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6. STORAGE

SILUB 80/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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