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## TECHNICAL DATA SHEET

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### 1. USE

<b>SILUB HP</b>	is a water based lubricant containing high quality synthetic graphite and adhesion additives.
<b>SILUB HP</b>	is used as a pre-lubrication primer for new mandrels before the first rolling mill process.

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### 2. CHEMICAL PHYSICAL PROPERTIES

<b>Appearance:</b>	Emulsion
<b>Color:</b>	Black
<b>Density at 20°C:</b>	1,2 ÷ 1,4 g/cm <sup>3</sup>
<b>Graphite content:</b>	≥ 30 %
<b>Graphite particle size distribution:</b>	50 % < 10 µm

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### 3. BENEFITS

- increasing of the mandrel surface protection during each longitudinal rolling mill process of seamless pipes;
  - increasing of the average useful life of the mandrel;
  - reduction of the mandrel wear;
  - important and homogenous covering of the microscopic porosities existing on the mandrel surface due to the fine particle size of the graphite and particular adhesion additives used for its formulation;
  - used along with the most common graphite lubricants, it helps the lubricating action to withstand with the friction that take place during the longitudinal rolling mill process of seamless pipes.
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## 4. PREPARATION

**SILUB HP** has to be diluted with drinkable water in a mixing ratio of 10-20% emulsion in water. The water has to be added gradually to the product under agitation. The SILUB HP ready to be used has always to be under agitation in order to prevent sedimentation.

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## 5. APPLICATION

**SILUB HP** can be applied with a brush or a spraying system, using manual or automatic devices. The film of SILUB HP has to be dry before to be covered with common mandrel lubricants.

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## 6. STANDARD PACKAGING

- 25 kg drum

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## 7. STORAGE

**SILUB HP** has to be stored in a cool dry and ventilated place far from heating sources. Under these conditions it may be stored for 1 year. Storage temperature of the product has not to be under 5°C and should not exceed 45°C in order to prevent the degradation of the emulsion.

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

Version 01/2010    Rev.03

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