DS Lubricant has been developed specially for DS slide seal rings used with pipes and manhole components made of concrete.

- DS Lubricant can be applied in all weather conditions from -10 °C to 50 °C. Frost or heat do not affect the workability of the material. It can even be applied to a wet pipe.

- Consistency and shear strength of DS Lubricant have been designed to give an optimum in sliding performance even on rough concrete surfaces.

**SPECIAL ADVANTAGES**

- Can be used when hot or cold and during rain.
- Achieves an optimal sliding performance also when used on rough concrete surfaces.
- Environmentally friendly.

**MATERIAL**

DS Lubricant consists of an organic basic material and of inert inorganic fillers. DS Lubricant has no polluting effect and the organic components are biologically degradable.

The seal compatibility is constantly monitored.
LAVING OF PIPES

- Apply DS lubricant thoroughly to the sliding area of the concrete socket (slide seal ring GRS) or to the spigot end (integrated seal) – preferably using a glove.

- An additional application of the DS lubricant to the seal is not absolutely required, but this helps to reduce the mounting forces. For special cases (double wedge profiles) please see the separate assembly instructions.

MOVING OF MANHOLE COMPONENTS

- Apply DS lubricant thoroughly to the inner area of the manhole socket (slide seal ring DS SG) or to the spigot end (integrated seal DS BS 2000) – preferably using a glove.

- An additional application of the lubricant to the seal is not absolutely required, but this helps to reduce the mounting forces.

REQUIREMENTS FOR THE MOVING OF MANHOLES

<table>
<thead>
<tr>
<th>DN</th>
<th>with 1kg DS Lubricant B05 ca. the following number can be moved:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>7 Manhole rings</td>
</tr>
<tr>
<td>1200</td>
<td>3 Manhole rings</td>
</tr>
<tr>
<td>1500</td>
<td>2 Manhole rings</td>
</tr>
</tbody>
</table>

IMPORTANT NOTE ON THE USE

According to DIN EN 1610 the pipe and manhole section manufacturer must also supply the necessary lubricant which has to be compatible with the component and the sealing system.

DS Lubricant is the result of many years of research and practical experience. Through a special composition DS Lubricant is exactly designed to the requirements of the laying of pipes made of concrete or reinforced concrete. Besides the advantage of optimal sliding procedure, DS Lubricant is biological degradable.

As required in DIN EN 681-1 under point 4.1.1 it has no negative effect on the life of the seal. Please understand that we will only guarantee for our seal material if the seals are used with DS lubricant.

FBS quality is only guaranteed by a lubricant approved by the seal manufacturer.