

# MasterRoc<sup>®</sup> BSG 11

## Main Bearing Sealing Grease (Excluder Grease) for Tunnel Boring Machines (TBM)

### DESCRIPTION

**MasterRoc BSG 11** is an excluder grease for tunnel boring machines. It effectively protects the main bearing and prevents soil, water or dust ingress into the main bearing sealing. It is formulated to resist high water and ground pressures and has excellent lubrication and pumping properties as well as excellent adhesion to all surfaces.

### ADVANTAGES

- Excellent sealing and anti-washout properties
- Excellent adhesion to any metal or concrete surfaces
- Excellent pumping and lubricating properties especially at very low or very high temperatures

### PACKAGING

**MasterRoc BSG 11** is available in standard 230kg and 60kg steel drums for press plate pumps.

### STORAGE AND SHELF LIFE

**MasterRoc BSG 11** should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

### TYPICAL PROPERTIES\*

Form	Homogenous paste, fibrous
Colour	Black
Odour	None
Density [kg/m <sup>3</sup> ] 20°C	1150 ± 50
Consistency ISO 2137 [1/10 mm]	250-280
4-ball wear DIN 51350:5 [mm]	< 0.9
Water wash out (38°C) ISO 11009 [%]	< 6
Water spray off (38°C) ASTM D 4049 [%]	< 4
Water resistance DIN 51807/1	0-0
Sealing elastomer compatibility	approved by Merkel, J. Walker
Flash point (base oil)	> 290°C
Biodegradation	inert

### HEALTH AND SAFETY

**MasterRoc BSG 11** is not hazardous and poses no threat to worker safety or the environment. However, it is recommended that all normal precautions be taken when handling the product, such as the use of eye protection and gloves.

\* Properties listed are based on laboratory controlled tests.

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