

# MasterRoc® BSG 11

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

### DESCRIPTION OF PRODUCT

**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.

### FIELDS OF APPLICATION

- 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 230 kg and 60 kg steel drums for press plate pumps.

### STORAGE

**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.

### SAFETY PRECAUTIONS

**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.

### DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

### CONTACT INFORMATION

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**MasterRoc® BSG 11** Technical Data Sheet -Revision  
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### TECHNICAL DATA

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 5180771	0-0
Sealing Elastomer Compatibility	Approved by Merkel, J. Walker
Flash point (base oil)	>290°C
Biodegradation	inert