

# MasterRoc® EPB 1

## Multi-purpose EP2 grease for Tunnel Boring Machines (TBM)

### PRODUCT DESCRIPTION

**MasterRoc EPB 1** is a highly biodegradable multi-purpose calcium thickened EP2 grade grease designed for main bearing lubrication, as a screw conveyor drive assembly grease and as a rotary swivel grease.

### FEATURES AND BENEFITS

- Contains antioxidants, corrosion inhibitors and EP/AW additives.
- Offers good mechanical stability, load carrying-capacity and corrosion protection, which makes it suitable for loaded bearings as well as wet environments.
- High quality multipurpose grease suitable for a wide range of plain and rolling bearings.

### PACKAGING

**MasterRoc EPB 1** is available in standard 230 kg and 60 kg steel drums for press plate pumps.

### TECHNICAL DATA

<b>Form</b>	Homogenous paste
<b>Colour</b>	Light brown
<b>NLGI Grade</b>	2
<b>Density [kg/m<sup>3</sup>] 20°C</b>	Approx. 930
<b>Consistency ISO 2137 [1/10 mm]</b>	265-295
<b>4-ball wear</b>	
DIN 51350:5 [mm]	0.5
<b>Base oil viscosity (40°C)</b>	130 mm <sup>2</sup> /s
ISO 12058	

<b>Base oil viscosity (100°C)</b>	24 mm <sup>2</sup> /s
ISO 12058	
<b>Temperature range</b>	-20°C to 100°C
<b>4 ball weld load</b>	2800 N
DIN 51350:4	
<b>Lubricating Ability</b>	SKW R2F test A + B
<b>Water resistance</b>	0-90
DIN 51807/1	
<b>Water wash out</b>	5%
ISO 11009 (1h 80°C)	
<b>Biodegradation</b>	>80%
OECD 301 B	

### STORAGE

**MasterRoc EPB 1** 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 EPB 1** is not hazardous. It is ecologically and environmentally friendly 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.

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#### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

#### NOTE

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