

# MasterRoc<sup>®</sup> ABR2 (Formerly known as Meyco<sup>®</sup> ABR 2)

## Anti Abrasion and Dust Fighting Agent for Tunnel Boring Machines

### DESCRIPTION OF PRODUCT

**MasterRoc<sup>®</sup> ABR2**, is a liquid product, specifically designed for tunnel boring machines (TBM) operating in hard rock respectively abrasive ground.

### FIELDS OF APPLICATION

**MasterRoc<sup>®</sup> ABR2** is designed as anti-dust and anti-clogging-agent with wear reduction properties for hard-rock tunnel boring machines as well as for EPB tunnel boring machines operating in hard rock geology.

### FEATURES AND BENEFITS

The use of **MasterRoc<sup>®</sup> ABR2** gives the following benefits with regard to TBM operation:

- Effective reduction of dust formation, leading to considerably improved working environment for the operators
- Improved transfer of the muck from the cutter head, resulting in reduced risk of blockage, cleaner cutter discs and cutterhead area, which make maintenance easier and reduce cutter disc changing time
- Protection of the screw conveyor
- Reduction of abrasive wear for cutting tools
- Improved cooling of the cutter head, improving the rubber seal durability, and extending the life of the cutter bearing assembly

### PACKAGING

**MasterRoc<sup>®</sup> ABR2** is available in standard 1000 litre containers. Other packaging is available on request.

### APPLICATION PROCEDURE

**MasterRoc<sup>®</sup> ABR2** should first be turned into foam before it can be used. For this purpose, a foam generating equipment typically used in EPB machines can be used. The recommended foam expansion ratio (FER) is 8-15. The generated foam is then injected through foam or water injection ports into the cutter head. The foam injection rate (FIR) is typically around 30%.

### CONSUMPTION

Typical consumption rate of **MasterRoc<sup>®</sup> ABR2** is 0,5 - 1.0 kg/m<sup>3</sup> undisturbed rock.

### TECHNICAL DATA

Form	Liquid
Colour	Transparent
Density	Approx 1.05
Ph ; 20°C, 5% sol.	6.5 – 7.5

### STORAGE

**MasterRoc<sup>®</sup> ABR2** should be stored between 5°C and 40°C. If stored in original tightly closed containers **MasterRoc<sup>®</sup> ABR2** will have a shelf life of 12 months. Do not allow the product to freeze. It is recommended that your local UGC representative be consulted prior to the use of any product that has become frozen.

### SAFETY PRECAUTIONS

**MasterRoc<sup>®</sup> ABR2** contains no hazardous substances requiring labeling. However, standard precautions for handling chemical products should be observed. For further information, refer to the Material Safety Data Sheet, and relevant local regulation.

### DISCLAIMER

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### CONTACT INFORMATION

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