

MasterRoc[®] ACP 211

Anti-Clay Agent for Use in Soft Ground Tunneling Applications

Formerly Rheosoil 211*

Description

MasterRoc ACP 211 anti-clay agent is a liquid product designed to combat the problematic effects of heavy clay soils in soft ground (particularly EPB) tunneling.

Applications

Recommended for use in:

- Soft ground tunneling applications

Features

- Improves and homogenizes soil consistency
- Reduces stickiness of difficult soils
- Environmentally-preferable material
- Compatible with BASF's line of SLP soil conditioning foams and polymers

Benefits

- Reduces overall cutter head torque
- Effectively reduces blockages in cutter heads, working chamber, and muck transfer system
- Increases advance rate and lowers maintenance costs

Performance Characteristics

Technical Data

Form	Liquid
Color	Light amber, clear
Specific Gravity*	1.3
pH*	7.0 +/- 0.5
Viscosity* cP (mPa·s)	Max. 300

*@ 68 °F (20 °C)

Guidelines for Use

MasterRoc ACP 211 liquid anti-clay agent can be added either to the existing foam solution or directly into the water supply for the cutter head and/or working chamber. MasterRoc ACP 211 liquid anti-clay agent is insensitive to both temperature fluctuations and changes in water hardness.

It is strongly recommended that you contact your local sales representative prior to using MasterRoc ACP 211 liquid anti-clay agent in your particular application.

Dosage: The consumption rate of MasterRoc ACP 211 liquid anti-clay agent is based on the volume of soil excavated and ranges from 0.1 - 5 kg/m³. Tests should be conducted to determine the optimal dosage rates for your specific needs.

Storage and Handling

Storage Temperature: MasterRoc ACP 211 liquid anti-clay agent can be stored over a wide range of temperatures. However, it is recommended that it not be stored in temperatures below 41 °F (5 °C) or in excess of 95 °F (35 °C). MasterRoc ACP 211 liquid agent is also not affected by freeze/thaw cycles. Should the product freeze under extreme conditions, warm to 100 °F (~40 °C) and mix well before using.

Shelf Life: If stored in original tightly closed containers MasterRoc ACP 211 liquid anti-clay agent will have a shelf life of 12 months. Please consult your local sales representative if you have questions regarding use of product that has been stored for longer than the recommended shelf life.

Safety: MasterRoc ACP 211 liquid anti-clay agent contains no hazardous substances. However, standard precautions for handling chemical products should be observed. For further information, refer to the Safety Data Sheets, and relevant local regulations.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local sales representative.

Packaging

MasterRoc ACP 211 liquid anti-clay agent is available in standard 53.5 gal (202.5 L) drums and 258.3 gal (977.7 L) totes. Bulk shipments are available upon request.

Related Documents

Safety Data Sheets: MasterRoc ACP 211 liquid anti-clay agent

Additional Information

For additional information on MasterRoc ACP 211 liquid anti-clay agent, consult your local sales representative.

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* Rheosol 211 became MasterRoc ACP 211 under the Master Builders Solutions brand, effective October 1, 2013.

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