

RHEOSOIL 211

Anti clay agent for TBM tunnelling

Product description

Rheosoil® 211 is a liquid product designed for use as an anti clay agent for TBM tunnelling application, particularly for the EPB machines.

Fields of application

For tunnel boring machines in clay containing ground.

- It increases soil consistency, and reduces torque.
- It reduces stickiness of the soil, and reduces the chance of blockage in the cutter head and conveying system.

Features and benefits

- Ready to use
- Cost effective anti clay agent
- Reduces the stickiness of the soil without reducing the consistency.
- Helps to increase the rate of advance of the TBM
- Compatible with the MEYCO® Fix SLF range of foam additives.
- Environmentally friendly

Packaging

Rheosoil® 211 is supplied in 1250 kg containers, or other container types as required.

Technical data

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|---------------------------------------|--------------|
| Form | Liquid |
| Appearance | Clear yellow |
| Density kg/m ³ ; 20°C | 1270 |
| Solids content ; % (1 hour ,130°C) | 44± 1 |
| pH; 20°C | 7.3±0.3 |
| Brookfield Viscosity RVT (mPa.s) | 250 ±100 |
| Dispersion in water | total |

Application procedure

Rheosoil® 211 can be added with the foam solution or directly into water applied to the cutterhead or working chamber.

Consumption

The consumption depends on many factors such as ground type, water injection rate and soil consistency desired. Typically a dosage rate of 0.1-5 kg per m³ soil is required.

Storage

Store in temperatures between 5°C and 35°C in original containers. Consult your UGC representative if the product becomes frozen.

Safety precautions

Rheosoil® 211 is non-hazardous and requires no transport labelling. However, it is recommended that all necessary precautions are taken when handling chemicals, such as the use of gloves and eye protection.