

MC-Montan Drive FL 04

Foaming soil conditioner for tunnel boring machines (TBM)



PRODUCT PROPERTIES

- Very good torque reduction and soil plasticising effect
- Reduction of clay adhesion and cohesion effect
- Improved soil plasticity
- Readily biodegradable

AREAS OF APPLICATION

- Soil conditioner for EPB TBMs
- Designed for tunnelling in clay and clayey soils, particularly highly plastic soils
- Loose rock mountains mit wide range of grain size

APPLICATION ADVICE

MC-Montan Drive FL 04 is a liquid soil conditioner which can be used to generate a unique and stable foam.

MC-Montan Drive FL 04 reduces the clay clogging and adhesion effects, keeping the cutterhead openings open to ensure a good muck flow through the cutterhead and working chamber. This leads to lower energy consumption and reduced wear of the cutting tools.

The special action mechanism facilitates high TBM driving speed with cost-effective dosing volumes.

All conventional foaming systems as well as the MC-Montan Device CT can be used with MC-Montan Drive FL 04.

The dosage depends on the in-situ soil conditions. The usual concentration range lies between 1 to 3 % in water solution.

MC-Business Unit Tunnelling is available for individual consultation and optimization of the application on site.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	1.02 - 1.04	
Water pollution hazard class		WGK 1	
Designation of admixture	MC-Montan Drive FL 04		
Form	liquid		
In-company production control	EN ISO 9001		
Storage	Can be stored in cool and dry conditions for at least 6 months in original unopened packs. Protect from frost. Protect from direct sun radiation.		
Delivery form	200 kg drums 1.000 kg IBC Bulk		

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400020329]