



BE SURE. BUILD SURE.

MC-Montan Drive FL 04 FR

Foam concentrate for soil conditioning for tunnel boring machines (TBM).

PRODUCT PROPERTIES :

- Specific soil conditioning in tunneling.
- Increase impermeability of the soil.
- Reduces adhesion and clogging.
- Reduces drilling head torque and energy consumption.
- Improves soil removal.
- Decreases wear on the drilling tool.
- Reduces dust load.
- Cost-effective dosage.
- Environmentally friendly and readily biodegradable.

AREAS OF APPLICATION:

- Soil conditioning for tunnel boring machines with earth pressure balance (EPB).
- Soil with high proportions of clays and high clogging tendency.
- Mountains in loose rock with a wide grain range.

APPLICATION ADVICE:

- **MC-Montan Drive FL 04 FR** is a liquid foam concentrate to generate a unique and stable foam, combined with a dispersing agent for clay minerals.
- **MC-Montan Drive FL 04 FR** is ideal for soils with high proportions of clay minerals. The strong combination of active substances reduces friction and abrasiveness of soil. That results in reduced power consumption and wears on the drilling tool.
- Special action mechanism facilitates high TBM driving speed with cost-effective dosing volumes.
- **MC-Montan Drive FL 04 FR** can be used with all conventional dosing devices and the **MC-Montan Device CT**.
- The dosage depends on the nature of soil. Normal concentration is 1-3 % in a watery solution.
- The "MC-Business Unit Tunnelling" is available for individual recommendation and optimization of the application on site.

TECHNICAL VALUES:

Characteristic	Unit	Value	Comments
Density	kg/dm ³ (g/cm ³)	approx. 1.02 - 1.05	
Water pollution hazard class		WGK 1	

PRODUCT CHARACTERISTICS:

Designation of admixture	MC-Montan Drive FL 04 FR.
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	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 provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

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