



# MC-Montan Drive FL 04

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

### Product Properties

- Specific soil conditioning in tunneling
- Increased 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
- Environmental friendly and readily biodegradable

### Areas of Application

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

### Application Notes

MC-Montan Drive FL 04 is a liquid foam concentrate to generate an unique and stable foam, combined with a dispersing agent for clay minerals.

MC-Montan Drive FL 04 is ideal for soils with high proportions of clays. The strong combination of active substances reduces friction and abrasiveness of soil.

That results in reduced power consumption and wears on the drilling tool.

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

MC-Montan Drive FL 04 can be used with all conventional dosing devices and MC-Montan Device Foamgenerator.

The dosage depends on the nature of the soil. Normal concentration is 1 to 3 % in a watery solution.

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



## Product Characteristics for MC-Montan Drive FL 04

Colour	transparent to yellowish
Density	1.02 - 1.04 kg/dm <sup>3</sup>
Form	liquid
Storage	Protect from direct sunlight and store frost free! Can be stored in closed original container for at least 6 months.
Factory production control	According to DIN EN ISO 9001
Wate hazard class	WHC 1
Form of Delivery	200 kg barrels 1,000 kg IBC

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 02/17. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 20 41-101 50 • Fax: +49 (0) 20 41-101 588  
tunnelling@mc-bauchemie.de • www.mc-bauchemie.de

MC-Bauchemie Singapore Pte Ltd • 8 Kaki Bukit Avenue 4 • Premier@Kaki Bukit, #06-19 • Singapore 415875 • Tel : +65 6462 0362 • Fax : +65 6466 0205