



MC-Montan Shotcrete HA 02

Admixture for shotcrete

Product Properties

- Alkali-free
- Causes fast setting
- Little reduction of the final strength
- Accelerates the work-process by allowing a layer-thickness of 15 to 20 cm per work-step
- Reduces dust-formation
- Liquid
- Possible acceleration of concrete with a higher consistency

Areas of Application

- Shotcrete applied by wet-spraying
- Stabilization in tunnel construction and mining
- Temporary rockface-stabilizations
- Hillside stabilizations

Application Notes

MC-Montan Shotcrete HA 02 is a liquid, alkali-free setting accelerator for shotcrete applied by wet-spraying.

The dosage depends on the concrete- and ambient temperatures, as well as on the desired curing-behaviour and the reactivity of the used cement.

To achieve an optimum result we recommend the use of fresh cement.

Other criteria for the effectiveness are the type and composition of the aggregates and additives, as well as the water/cement ratio.

MC-Montan Shotcrete HA 02 is added at the nozzle. Piston pumps are not suitable for dosing. No filter must be used for the suction tube, to avoid blockage. A constant and accurate dosing must be ensured.

After long-term storage it is recommended to agitate MC-Montan Shotcrete HA 02 with pressurized air to facilitate dosage.

Before MC-Montan Shotcrete HA 02 is used, the entire dosing equipment must be thoroughly cleaned with a lot of water. During concreting and work breaks the system must remain closed to avoid blockage.

MC-Montan Shotcrete HA 02 must not be stored in steel-containers. The storage-containers must be closed tightly.

All necessary suitability tests must be performed before use. Please note the "General Information on the Use of Concrete-Admixtures".

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



Technical Data for MC-Montan Shotcrete HA 02

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.37	± 0.03
Recommended Dosage	ml	40 - 70	per kg of cement
Allowed Dosage for Shotcrete according to DIN 18551	ml	70	per kg of cement

Product Characteristics for MC-Montan Shotcrete HA 02

Type of Admixture	shotcrete accelerator EN 934-5: T2
Name of Admixture	MC-Montan Shotcrete HA 02
Colour	yellow
Consistency	liquid
Certificate of Conformity of the factory production control	0754-CPR
Notified Authority	MPA, Karlsruhe
Factory production control	according to DIN EN ISO 9001 / DIN EN 934-2/6
Colour Code	green
Storage	Can be stored for 6 months in tightly closed containers at temperatures between +5 °C to +30 °C.
Form of Delivery	230 kg barrels 1,000 kg containers

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

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.