

MC-Einpresshilfe EH

Grouting Aid for Mortars and Concrete

Product Properties

- Chloride-free
- Swelling
- Plasticizing
- Reduces the water/cement-value
- Forms micropores

Areas of Application

- Grouting mortars for the injection of pre-stressed concrete ducts (cladding tubes) in pre-stressed concrete with indirect bonding
- Underpinnings, penetrations, seals, backfillings
- Factory-mixed dry-mortar

Application Notes

MC-Einpresshilfe EH is a powdery admixture for concrete and mortar, as well as for grouting mortar for the injection of pre-stressed concrete ducts (cladding tubes) in pre-stressed concrete with indirect bonding.

Concrete and mortar are plasticised while reducing the water-requirement with simultaneous reduction of the de-mixing tendency.

MC-Einpresshilfe EH is chloride-free and contains no corrosion promoting substances.

As the admixture has the same effect as a flowing agent, i.e. it is strongly plasticizing, even grouting mortars with a very low water/cement-value can be injected. Also, the mortar can be used for tensioning-systems with very narrow grouting cross-sections without increasing its water-content.

The swelling-effect starts in a controlled gradual manner directly after the manufacture of the concrete, mortar or grouting mortar. Selective employment of special "thixotroping agents" prevents the aggregation of micro-gas-pores into larger pore-structures and/or cavities, as well as unwanted de-mixing effects.

The swelling guarantees an optimal adjustment to all contact-areas, filling all voids with concrete or mortar making sure that they stay closed tightly. The pore-formation necessary for swelling must be taken into account during solidification with an adequate safety margin.

MC-Einpresshilfe EH can be used with other admixtures, depending on the requirements. During the injection of very long pre-stressed concrete ducts in warm weather, for example, the grouting mortar can easily be retarded to the necessary injection time with the setting retardant Centrament Retard 360. Superplasticizers, e.g. Muraplast FK 99 can also be used in combination with MC-Einpresshilfe, but not superplasticizers based on polycarboxylatether (PCE-based).

Process-relevant suitability tests are recommended.

Please note the "General Information on the Use of Concrete-Admixtures".



Technical Data for MC-Einpresshilfe EH

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 0.50	-
Recommended Dosage	g	2-10	per kg of cement
Max. Chloride Content	%	< 0.10	per weight

Product characteristics for MC-Einpresshilfe EH

Type of Admixture	injection aid/swelling agent, EN 934-4:T2
Name of Admixture	MC-Einpresshilfe EH
Colour	beige
Consistency	powdery
Certificate of conformity	0754-CPD-02-1065.2
Notified Authority	MPA, Karlsruhe
Internal Production Supervision in accordance with DIN EN ISO 9001	
Colour Code	white
Form of Delivery	1 kg bags (25 per box) 20 kg sacks

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 10/10. 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.