

Centrament GA

(Formerly Known as MC-Einpresshilfe EH)

Expansive Plasticized Grouting Admixture



Product Properties

- Plasticizes the grouting mortar
- Avoids segregation and improves cohesion
- Reduction in water content of the mix
- Generates micro gas bubbles so that an optimum expanding and jointing effect can be achieved.
- Does not contain chloride or any other substance harmful to concrete or steel

Areas of Application

- For grouting ducts in post tension, Pre-stressed concrete structures
- Can be admixed with most standard cement types
- For pressure grouting of structures in repair and rehabilitation
- In production of non-shrink grouts

Application Notes

General

Centrament GA is an admixture for grouting ducts in post tensioned or pre-stressed concrete structures using cementitious grout. It ensures permanent contact and an excellent bond with the grouted surfaces. The expanding properties decrease the natural settlement of the fines before the starting of initial set and reduces shrinkage of the grout so that a good workability and a proper grouting operation is achieved. Within 3 days after grouting a high frost-resistance is obtained which fulfills the regulations for grouting pre-stressed structures.

Instructions for use

Before admixing **Centrament GA** the grout powder component should be thoroughly mixed with water for about 2 to 3 minutes. After that **Centrament GA** should be added to the mix at a ratio of 0.5 to 1% by cement weight. The whole mixing to ensure complete dispersion operation should last at least 4 minutes.

Due to high dispersion of **Centrament GA** it is possible to reduce the w/c ratio in order to get a denser mix. A preliminary test is necessary to determine optimum dosage. The grouting operation can be carried out easily and effectively into very narrow cross-section without increasing the water content of the mix.

The expanding and swelling effect starts slowly but immediately after mixing the grout. **Centrament GA** contains suitable thixotropic substances, which prevent segregation and provide a high bond to the contact surface without voids in the grouted mass.

The setting and hardening process of the **Centrament GA** admixed grout is slightly retarded in order to carry on the grout operation effectively on larger surfaces or to re-grout where necessary.

If non-shrink grout is not used under machine foundation for economical reasons, **Centrament GA** can be added to impart non-shrinking properties to the grout.

Centrament GA can generally be admixed with most normal cement types. However a preliminary test at the site is necessary to ensure compatibility.

Our technical advisory staff will be glad to give you any further information that you may require.

If a large area has to be grouted, it is possible to admix a **MC Retarder** in order to prolong retardation of the grout. In special cases **MC-Plasticizer** can also be admixed. In every case, a preliminary site test is necessary to determine compatibility.

Centrament GA can also be used in concrete to obtain non-shrinking properties. In concrete compatibility and dosage will have to be ascertained by preliminary trials.

Further Instructions / Precautions

Application Areas



Application Areas



Technical Data For Centrament GA

Characteristic	Unit	Value	Comments
Mixing ratio	% By weight of cement	0.5% to 1.0%	Depending on application

Product Characteristics for Centrament GA

Type of Product	Expansive Plasticized Grouting Admixture
Form	Powder
Colour	Grey
Shelf Life	12 Months from date of Manufacture
Delivery	30 kg Sacks
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

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 may 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. E. & O.E.

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