

Centrament Grouting Aid

Swelling agent for grout 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 ADVICE

Centrament Grouting Aid 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.

Centrament Grouting Aid is chloride-free and contains no corrosion promoting substances.

As the admixture has the same effect as a plasticizer, 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 porestructures and/or cavities, as well as unwanted demixing 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.

Centrament Grouting Aid 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 Centrament Grouting Aid, 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 VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Recommended dosage range	g	2 - 10	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Bulk density	kg/dm ³	approx. 0.5	

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Type of admixture	Injection aid per EN 934-4: T2, swelling agent
Designation of admixture	Centrament Grouting Aid
Colour	Beige
Form	pulverous
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754
In-company production control	EN ISO 9001
Certificate of conformity of in-company production control	0754-CPR
Colour code of label	white
Delivery form	1 kg bag (25 bags per box) 20 kg bags

GISCODE : BZM10

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018656]