

# Centrament Stabi 520

Organic-based stabiliser



## PRODUCT PROPERTIES

- Free of corrosion promoting components
- Stabilisation of highly flowable concretes
- Reduction of the internal frictional forces within concrete
- Reduces sedimentation and bleeding
- Improves the homogeneity of concrete

## AREAS OF APPLICATION

- Light weight concrete
- Foam concrete
- Light brick mortar
- Pump concrete

## APPLICATION ADVICE

Centrament Stabi 520 stabilises the cement paste, which strongly reduces and even stops concrete bleeding. Concretes can be adjusted to a very flowable consistency.

When making light mortars and light weight concretes with porous aggregates, Centrament Stabi 520 reduces the further extraction and absorption of water and subsequent loss of consistency. When compacting concrete, Centrament Stabi 520 prevents light aggregates from rising to the surface.

Especially when using air-entraining agents, it improves the formation of air-pores as well as their stability. In foam concrete with fresh mortar densities  $< 1.2 \text{ kg/dm}^3$ , Centrament Stabi 520 prevents an excessive destruction of pores, especially if the foam concrete is pumped.

The product is added only after aggregate, binder and water have been mixed together, and usually before other admixtures, like air-entraining agents and retarding agents.

The necessary dosage depends on the field of application and should be determined beforehand by performing suitability tests. Relevant regulations for the manufacture, processing and curing of concrete and reinforced concrete must be observed.

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

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 1	± 0.02 kg/dm <sup>3</sup>
Recommended dosage range	g	2 - 50	per kg cement
Chloride content (maximum)	%	< 0.1	mass fraction
Alkaline content (maximum)	%	< 1.5	mass fraction

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

Self-monitoring	EN ISO 9001
Type of admixture	stabiliser per EN 934-2: T4
Designation of admixture	Centrament Stabi 520
Colour	colourless
Form	liquid
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754
In-company production control	EN 934-2/6
Colour code of label	violet
Delivery form	200 kg drums 1,000 kg container

### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. 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. [2300018783]