

# Centrament VMA 2

Viscosity modifier



## PRODUCT PROPERTIES

- Decreases segregation by increasing the concrete's cohesion
- Increases the robustness of flowable and self-compacting concrete
- Stabilisation of low-powder and high flowability concrete
- Reduces internal friction within the concrete
- Reduces sedimentation and bleeding
- Free of corrosion promoting components

## AREAS OF APPLICATION

- Self-compacting concrete (SCC)
- Easy-compacting concrete
- Fairfaced concrete
- Pumped concrete

## APPLICATION ADVICE

Centrament VMA 2 increases the cohesion within the cement paste, which reduces the concrete's sedimentation and bleeding. As a result a high homogeneity can be achieved for self-compaction and flowable concrete.

By reducing the internal friction within the concrete it is possible to create concrete which has a very high pumpability over a long period of time and distance.

Centrament VMA 2 is added after aggregate, binder and water have been mixed. We recommend adding Centrament VMA 2 at the same time the admixture is added. The required dosage needs to be defined by preliminary testing according to the field of application. 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“.

In the interests of our environment please empty the containers completely. Containers that are exchanged must be closed and protected from contaminants.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 1.01	± 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)	%	< 0.5	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	viscosity modifier per EN 934-2: T13
Designation of admixture	Centrament VMA 2
Colour	yellowish
Form	liquid
Notified body	Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754
In-company production control	EN ISO 9001, EN 934-2/6
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. [2300018352]