



# Centrament VMA

## Viscosity Modifying Agent

### Product Properties

- Decreases segregation By Increasing the Concrete's Cohesion
- Increase the robustness of flowable and self-compacting concrete
- Stabilization of Low-powder and high flowable 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 Notes

Centrament® VMA 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 selfcompaction 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 is added after aggregate, binder and water have been mixed. We recommended adding Centrament® VMA 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 of the Use of Concrete admixture.

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



#### Technical Data for Centrament® VMA

Characteristic	Unit	Value*	Comments
Specific Gravity	g/cm <sup>3</sup>	1,0	At 28° C ± 0,02 g/cm <sup>3</sup>
PH		7	
Dosage	g	2 - 50	Per kg of Cement

#### Product Characteristics for Centrament® VMA

Type	Viscosity modifying Agent
Colour	Milky White
Shelf Life	12 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost.
Delivery	1 kg, 230kg canister
Disposal	Empty packs completely and dispose off carefully to protect our Environment

#### Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

**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 binding if given in written form. The accepted engineering rules must be observed at all times.

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