

Centrament N T5 BV

(Formerly known as Zentrament T5 BV)

High Performance Retarding Superplasticizer



Product Properties

- Reduces gauging water requirement
- Improves workability
- Chloride free
- Non-toxic and non inflammable
- Substantial increase of early and final strengths

Areas of Application

- Suitable for both in-situ as well as ready-mix concrete
- Suitable for Pre-stress concrete
- For highly aesthetic fair faced concrete
- For concrete in aggressive environments

Application Notes

General

Centrament N T5 BV is a high performance concrete super plasticizer with significant retardation properties. It lowers the surface tension of the mixing water by virtue of which the cement and aggregates are more effectively soaked. This leads to a considerable reduction in the required gauging water. **Centrament N T5 BV** is specially formulated for the usage in hot climate conditions, where high workability and retardation is required. **Centrament N T5 BV** is suitable for both site & ready mix concrete and also particularly for pre-stressed concrete.

Advantages

- **Centrament N T5 BV** considerably increases workability and flow.
- Provides retardation, by virtue of which casting and compaction is made easier, particularly in hot climate conditions.
- Reduces the segregation and bleeding properties.
- Also reduces concrete permeability and improving the water tightness.
- Chloride Free.
- Helps reduce w/c ratio (cement saving) while maintaining workability & strength requirements.

Instructions for Use

Centrament N T5 BV is to be added to the concrete during mixing & should preferably be dosed along with mixing water additional water. Adding **Centrament N T5 BV** to the dry aggregate/cement mix is not recommended. It is most effective when dosed after about 70% of the mixing water has been added to concrete.

The mixing time after addition of the admixture should be long enough to allow the admixture to unfold its plasticizing effect completely.

If dosage on the job-site into transit mixer trucks is necessary, please follow corresponding engineering and safety rules.

Dosage

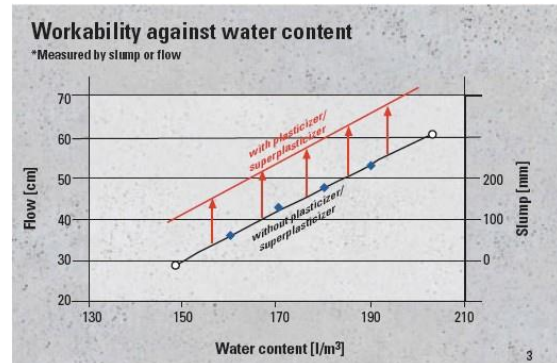
Recommended dosage of **Centrament N T5 BV** is 0.2 to 0.5% by weight of cement. However it is recommended that site trials be taken to determine optimum dosage. In certain cases due to variations of cement, sand aggregates, weather or site conditions dosages may vary from recommendations. **Centrament N T5 BV** can be used in combination with other MC Admixtures.

Centrament N T5 BV is to be added to the concrete mix during the mixing operation or alternatively in the absence of suitable dosing device it should be added to the gauging water. The above said dosages can be increased to obtained flowing or increased, set retardation properties

Further Instructions / Precautions

- To determine individual technical suitability, preliminary tests should be carried out under application conditions. We shall be glad to assist you for your concrete technology testing/needs.
- Relevant standards for production, placing and curing of concrete should be followed.
- Efficient curing is essential for any concrete and is best-achieved using **Emcoril** range of curing compound. This will avoid negative effects of quick water loss from the concrete.
- Depending upon the concrete mix severe over dosage of the admixture especially retarding plasticizers and superplasticizers may result in bleeding/segregation of concrete quick loss of workability, extended initial and final setting times etc.
- Slight overdosing may not severely affect the ultimate strength of concrete provided the concrete is properly mixed, handled and placed and adequately compacted and cured.

Graph Showing Workability of Concrete versus the Water content of the mix with and without use of Superplasticizers



Technical Data For Centrament N T5 BV

Characteristic	Unit	Value	Comments
Density	Kg/cm ³	1.17	± 0.02
Mixing ratio	% by weight of cement	0.2% to 0.5% 0.5% to 3.0%	as plasticizer as super plasticizer

Product Characteristics for Centrament N T5 BV

Type of Product	Retarding Superplasticizer
Form	Liquid
Colour	Brown
Shelf Life	12 Months from date of Manufacture
Delivery	250 kg drums and 30 kg cans
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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Edition: January 2013