



MegaAdd VE

Viscosity Enhancer for Self Compacting Concrete

DESCRIPTION **MegaAdd VE** is a chloride free admixture consisting of a mixture of highly water soluble co-polymers, molecules of which are absorbed onto the surface of the cement granules, thereby changing the viscosity and influencing the rheological properties of the mix.

USES **MegaAdd VE** is used to improve the rheology of self compacting concrete, to arrest the bleeding from pumpable concrete, used in underwater concreting, to improve the performance of concrete which contains inadequate quantity of fines, etc.

ADVANTAGES

- **MegaAdd VE** provides excellent stability to the hydraulic binder
- Opposes segregation and sedimentation in treated concrete
- Produces concrete distinguished by its great stability and strong capacity to retain water
- Obtain greater flexibility in choice and type of casts because of low risk of segregation, greater pumping speeds and distances
- Makes the mixes less sensitive to variations in sand grading, shape and moisture content of the aggregates and characteristics of the binders

TYPICAL PROPERTIES at 25°C

| PROPERTY | TEST METHOD | VALUE |
|------------------|-------------|-------------------|
| Component | - | Single |
| Form | - | Liquid |
| Appearance | - | Opaque Liquid |
| Specific Gravity | ASTM D1475 | 1.02 +/- 0.02 |
| Chloride Content | BSEN 480-10 | Nil to BSEN 934-2 |
| pH | ASTM C494 | 7-9 |

COMPATIBILITY **MegaAdd VE** can be used with all types of cements and cementitious material like fly ash, GGBS, micro silica, etc. **MegaAdd VE** should not be pre-mixed with other admixtures.

DOSAGE Recommended dosage is 0.05 - 0.5% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. The performance of **MegaAdd VE** is best assessed after preliminary trials at site using the actual raw materials and mix under consideration to determine optimum dosages and effects on properties such as workability, strength, setting time, etc.

EFFECT OF OVERDOSING Overdosing may result in loss of workability, increase in air content and can delay in setting.



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NOTE **MegaAdd VE** must not be added directly into the dry mix. To produce self compacting concrete, **MegaAdd VE** should be used in combination with **MegaFlow 2000 / 1000** in order to achieve maximum efficiency. No extension of normal mixing time is necessary but thorough mixing is essential. A self compacting mix should have a high workability and high viscosity.

PACK SIZE 20 ltr, 200 ltr and 1000 ltr

DISPENSING **MegaAdd VE** should be directly dispensed into the concrete mixer together with mixing Water.

GENERAL INFORMATION

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

Cleaning Clean all equipment and tools with water immediately after use.

HEALTH and SAFETY

PPE's Gloves, goggles and suitable mask must be worn.

Precautions Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.

Hazard Regarded as non-hazardous for transportation.

Disposal Do not reuse containers. To be disposed off as per local rules and regulations.

Additional Information Refer MSDS. (Available on request)

TECHNICAL SERVICE **CONMIX Technical Services** are available on request for onsite support to assist in the correct use of its products.



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