



## CC VMA64

### VISCOSITY ENHANCING AGENT

#### DESCRIPTION

CC VMA64 improves the stability and the segregation resistance of various type of concrete. CC VMA64 is a highly efficient and robust liquid admixture based on macro-copolymers designed to enable the production of highly cohesive and pumpable HPC or SCC. It enhances the thixotropic properties of cement-based materials.

#### APPLICATIONS

CC VMA64 is designed for specific applications. It is used to:

- Reduced segregation in highly flowable/self-compacting concrete.
- Reduced washout in underwater concrete
- Reduced friction and pressure in pumped concrete
- Compensates for poor aggregate grading, especially a lack of fines in the sand
- Allows reductions in powder content in self compacting concrete
- Reduced bleeding in concrete
- Improves green strength in semi-dry concrete
- Less sensitive to variations in the moisture content of the aggregate– Improves concrete robustness
- Provides stability to more fluid mixes without the risk of Segregation Reduced formwork pressure.
- Better surface appearance
- A more durable concrete
- Reduces environmental risk caused by the wash out of cement particles
- Prevents blockages by allowing the concrete to remain fluid, homogeneous and resistant to segregation, even under high pumping pressures

#### PACKAGING

Available in 20 kg bag.

#### METHOD OF USE

CC VMA64 could be introduced in dry or wet mixing . Since they have the advantage of mixing in concrete or mortar in all phases. They could be even introduced in truck mixers, in which case 5 min. of mixing would be required.

CC VMA64 is recommended for all areas of use of high-performance concrete in the concrete industry:

- Standard concrete, Mortar, Paste
- Self-Compacting Concrete
- High Performance/High Strength Concrete

#### TECHNICAL PROPERTIES

Appearance: white powder



#### STORAGE

Should be stored in dry conditions for up to 12 years.

#### DOSAGE RATES

0.5 kg to 8 kg per 100 kg cementitious materials in the mix

#### CAUTIONS HEALTH AND SAFETY

CC VMA64 is not classified as hazardous. material. Avoid prolonged contact with skin. Wear protective gear for hands& eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water.

#### DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control . It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice . Technical characteristics are listed for guidance only . For more information, please contact the company's office in your location.