

EUNIMAR 3

Concrete rheology modifying admixture for anti-washout (underwater) concrete



Product Description

EUNIMAR 3 is a high efficiency, liquid admixture designed to enable production of Anti-Washout Concrete used for underwater concrete placement by modifying the rheological properties of concrete mixtures. EUNIMAR 3 works by increasing the viscosity of the concrete while still allowing the concrete to flow without segregation. EUNIMAR 3 is based on a unique, patented biopolymer and is manufactured under closely controlled conditions to provide uniform, predictable performance. It meets the CRD-C661-06 Specifications for anti-washout admixtures for concrete developed by the US Army Corps of Engineers. EUNIMAR 3 does not contain any intentionally added chloride.

Uses

EUNIMAR 3 is recommended for use in conjunction with EUNIFLOW series superplasticizers to produce Anti-Washout Concrete.

Specification

The viscosity modifying admixture shall be EUNIMAR 3 as manufactured by European Concrete Additives.

Advantages

Anti-Washout Concrete produced with EUNIMAR 3 has unique advantages:

- Improves cohesiveness.
- Reduces segregation.
- Reduces cement washout.
- Provides concrete stability.
- Provides mix flexibility EUNIMAR 3 enhances the ability to manufacture Anti-Washout Concrete by reducing segregation in highly flowable, low water cementitious ratio concrete using high amounts of sand.

Addition Rate

EUNIMAR 3 is typically used at an addition rate of 260 to 1040 mL/100 kg of cementitious material. As water content increases, the EUNIMAR3 requirements may increase. EUNIMAR3 dosage requirements may also be affected by mix design, cementitious content, and aggregate content and gradations. Please consult with your European Concrete Additives representative for more information and assistance. The use of EUNIFLOW superplasticizers is highly recommended for Anti-Washout Concrete production. Dosage rate requirements for superplasticizers may vary as compared to conventional concrete mixes. Pre-placement testing is recommended to determine the optimum admixture addition rate.

Compatibility

With other admixtures: EUNIMAR 3 is intended for use with EUNIFLOW superplasticizers and with all air-entraining agents. Each admixture should be added separately into the mix and should not come in contact with each other before entering the concrete mix.

Packaging

EUNIMAR 3 is available in bulk, in 1000 liters tanks, and pails. It will freeze at about 2°C but will return to full functionality after thawing and thorough mechanical agitation. The EUNIMAR 3 admixture is supplied as a ready to use milky white liquid. One gallon weighs approximately one liter weighs approximately 1.01 kg.

Contact Information

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