PCA-AWA

Anti-Washout Admixture For Concrete

DESCRIPTION:

PCA-AWA is a ready to use aqueous solution of complex compounds which combines the benefits of a powerful high-range water-reducing admixture and a breakthrough anti-washout polymer compound.

PCA-AWA is formulated to provide highly fluid, easily placed and consolidated concrete that will resist washout and segregation during placement and curing underwater, protecting the mechanical properties of the concrete structure.

PCA-AWA enhances the performance of plastic and hardened concrete and is manufactured under rigid quality control measures to provide uniform, reliable results.

USES:

PCA-AWA is designed to provide the synergistic performance benefits of combining a high-range water-reducing admixture with a viscosity-modifying polymer (VMA). This unique formulation provides a highly fluid and pumpable low water-cement ratio concrete with excellent slump retention and self consolidating properties. Furthermore, the VMA polymer creates a highly cohesive mix which is very resistant to segregation and washout, allowing the concrete (or grout) to be pumped or tremied underwater without loss of cementitious paste, preserving the intended hardened concrete properties including bond strength, compressive strength and impermeability.

PCA-AWA enhances concrete performance and provides a means to lower construction costs by eliminating the need for costly dewatering procedures.

ADVANTAGES:

- Excellent washout resistance, protecting concrete integrity and eliminating the need to dewater placement site
- Improved concrete quality by decreasing water-cement ratio up to 25%
- Improved workability and placeability
- Enhanced pumpability and tremie flow
- Extended "slump life" without extended delays in set time.
- Improved mix cohesiveness and resistance to segregation
- Self consolidation reduces voids and improves structural integrity
- Easily and accurately dispensed and mixed into the concrete/grout.
- Improved bond strength and compressive strength
- Reduced surface laitance

DOSAGE RATE:

PCA-AWA is recommended for use at a dosage rate of 12 to 22 fluid ounces per 100 pounds (780 to 1430 ml per 100 kg) of cement. The dosage rate of **PCA-AWA** is dependent upon a number of variables including cementitious content, w/cm ratio and degree of washout resistance desired.

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Because local materials, job conditions and project requirements vary, please contact your local Premiere Concrete Solutions Specialist for further assistance in designing concretes and grouts for underwater applications.

TECHNICAL NOTE:

PCA-AWA does not contain any purposely-added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

COMPATIBILITY:

PCA-AWA is compatible with all types of Portland cement, class C and F fly ash, GGBF (slag), silica fume, and approved air-entraining, water reducing, retarding and accelerating admixtures. For best results, each admixture must be dispensed separately into the concrete mix.

Prior to use, mechanical agitation is recommended for optimum performance.

STORAGE:

PCA-AWA may freeze at temperatures below 35° F (2°C) and precautions should be taken to protect it from freezing.

PACKAGING:

55-gallon drums and bulk deliveries.

SHELF LIFE:

3 months over 50°F.

Premiere
Concrete Admixtures

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