

SUNPLAST- AWA

ANTI WASHOUT ADMIXTURE FOR CONCRETE

DESCRIPTION:

SUNPLAST-AWA is a ready to use Anti Washout Polymer Compound.

SUNPLAST-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.

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

USES:

SUNPLAST-AWA creates a highly cohesive mix which is resistant to segregation and washout, allowing the concrete to be pumped or tremied underwater without loss of cementitious paste, preserving the intended hardened concrete properties including bond strength, compressive strength and impermeability.

SUNPLAST-AWA enhances concrete performance and provides a means to lower construction costs by eliminating the need for costly dewatering procedures, coffer dams, sacrificial additional quantity of cement and overall suspect quality of underwater concrete.

ADVANTAGES:

- Excellent washout resistance, protecting concrete integrity and eliminating the need to dewater the placement site.
- Improved concrete quality by decreasing water-cement ratio upto 25%
- Improved workability and placeability.
- Enhanced pumpability and tremie flow.
- Extended "slump life" without extended delays in set time.
- Improved 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 strengths and compressive strengths of concrete.
- Reduced surface laitance.
- Effective in fresh and salt water environments.

RECOMMENDED DOSAGE:

SUNPLAST-AWA is recommended for use at a dosage rate of 400ml - 750ml per 50 kg bag of cement. The dosage rate of **SUNPLAST-AWA** is dependant on a number of variables including cement content, water-cement ratio and degree for washout resistance required. Concrete temperature, ambient temperatures or designed concrete mix containing special admixtures may require dosage rates outside the specified limits. We recommend that testing be done to determine the suitability of dosage under such cases.

For further recommendations on underwater concreting and underwater mix designs, please refer:

1. ACI Manual of Concrete practice 304R, Chapter 8.
2. U.S. Army Corps of Engineers, Waterways Experiment Station, 'Test Method for Determining Resistance of freshly mixed concrete to washing out in water CRD- C61 -89A, 1989.

COMPATIBILITY:

SUNPLAST-AWA is compatible with all types of Portland cement, class C and F Fly ash, GGBS, silica fume and approved air entraining admixtures. However for best results, each admixture must dispensed separately into the concrete mix.

STORAGE AND SAFETY:

SUNPLAST-AWA should be stored in cool and dry locations; **SUNPLAST-AWA** may freeze at sub zero temperatures and precautions must be taken to protect it from freezing.

All necessary safety precautions like splash goggles, respirators, gloves should be kept during use. Wash hands and eyes immediately after over exposure to contents.

PACKING:

20, 200 litres drum.

SHELF LIFE:

Six months when stored in closed, sealed containers

DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.