

Armix UW

(Formerly known as MYK SAVEMIX UW 555)

Underwater Concrete Admixture System



Product Description

Armix UW is a unique bi polymer anti-washout admixture for the underwater placement of concrete and grout. Armix UW produces gel in the water paste which surrounds cement particles and protects them from washout.

Uses

Can be used with all types of cements except high alumina cement. Armix UW is compatible with other MYK admixtures when added separately to the mix. Site trials should be carried out to optimize the dosages

Features and Benefits

- Excellent washout resistance, protecting
- concrete integrity and eliminating the need to
- Dewater the placement site.
- Improved concrete quality by decreasing water cement ratio up to 25%.
- Improved workability and placing ability.
- Enhanced pump ability 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.
- Improved bond strengths and compressive Strengths of concrete.
- Reduced surface laitance.

Application Methodology

Over dosing:

An overdose of double the recommended measure of Armix UW will result in an increase in the anti-washout properties, significantly increased retardation and strength loss of the concrete.

Mix Design:

Mix proportions should be designed as for a cohesive pump mix. A slump of at least 180mm is typical. A sand content of 40-50% of the total aggregate weight is recommended. A normal minimum cement content for underwater placing is 400kg/Cu.m. Site /plant trials should be carried out to determine the optimum mix design and work ability requirements

Dispensing:

When concrete is made using a forced action (Power paddle) mixer Armix UW should be added towards the end of the mixing cycle.

It should be added slowly and with care, mixing should continue for a further 1 -2 minutes. When concrete is truck mixed Armix UW should be added to the concrete after mixing either at the plant if near the site, or at site. Armix UW should be added slowly into the truck, and mixed for 5 – 10 minutes at high speed.

Technical Data

Specific Gravity	0.995 +/- 0.02
Chloride content	Nil to BS 5075

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TECHNICAL DATA SHEET

Coverage

Armix UW is recommended for use at a dosage of 0.8% to 1.5% by weight of cementitious. The dosage rate of Savemix UW555 is dependent 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.

Packaging

Armix UW is available in 200 kgs drums.

Storage and Shelf Life

Armix UW has a minimum shelf life of 12 months when stored under room temperatures.
It should be protected from extreme temperatures and Preferably stored in shade.

Health & Safety

Armix UW does not fall into hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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