

AquaArm Proof IWP-10

(Formerly known as MYK Proof WP10)

Chloride Free Integral Liquid Waterproofing Admixture for Concrete and Mortar



Product Description

AquaArm Proof IWP-10 is a chloride free liquid based on selected sugar reduced Ligno Sulphonates. AquaArm Proof IWP-10 waterproofs by improving the quality of the Concrete or Mortar. It reduces the water demand for required workability and minimizes segregation and bleeding. It is in liquid form and shows excellent dispersion and is more efficient compared to traditional powder water proofers.

Uses

AquaArm Proof IWP-10 is an integral waterproofing admixture for concrete and mortar to minimize permeability and increase the waterproofing properties of concrete and cement sand mortars for critical applications like Roof slabs water tanks etc.

Features and Benefits

- Improves workability, cohesion of the mix even at reduced water cement ratio
- High reduction in permeability of concrete mortar, waterproofs the entire concrete matrix
- It is in liquid form it spreads uniformly & easily with the other ingredients of the concrete/mortar mix
- Increased Compressive strength
- Compatible with all types of cements
- Chloride free hence does not affect corrosion
- Compressive Strength enhanced when compared to reference concrete

Application Methodology

Application: Mortar:

AquaArm Proof IWP-10 is recommended for use in all sand/Cement Mortars where it is required to reduce permeability to a minimum

Concrete:

AquaArm Proof IWP-10 is recommended for all general mass concrete work where, the risk of porosity and permeability must be minimized

Instruction for Use:

AquaArm Proof IWP-10 should be mixed with gauging water or can be added to concrete during the process of mixing. The mixing should be continued for at least one to two minutes after the addition of AquaArm Proof IWP-10.

The gauging should be properly adjusted taking into account the water reduction brought about due to the presence of AquaArm Proof IWP-10.

The exact quantity of AquaArm Proof IWP-10 to be admixed in production of water proof concrete conformed to particular standards is best determined by conducting preliminary site trials.

Dosage:

AquaArm Proof IWP-10 normal recommended dosage is 150- 200Gms per bag of cement

Effect of Over Dosing:

An over dose of Double the intended amount of AquaArm Proof IWP-10 will result in an increase in retardation as compared to that normally obtained at the intended dosage. This effect is found in most of the waterproof admixtures only the degree may vary. Overdose may also cause increased air entrainment, which will tend to reduce strength.



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TECHNICAL DATA SHEET

Technical Data

Color	Brown
Physical Form	Liquid
TYPICAL DATA WITH OPC 43 GRADE CEMENT	
Setting time Initial	145 min.
Setting time Final	360 min.
Chloride Content (2% Maximum) (IS 2645-2003)	0.0098%
Permeability (IS2645)	18% compared to 50% max
Compressive Strength	Not less than to control Mortar strength

Product Categories Available



Standards Compliance:

AquaArm Proof IWP-10 conforms to IS: 2645-2003
AI so confirms to IS:9103, ASTM C 494, Type-D Plasticizer

Packaging

20 and 225 Ltrs HDPE Drums

Storage and Shelf Life

Use immediately once opened. 12 months when stored in cool dry place in dry condition away from direct sunlight in original unopened pack.

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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