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INNOVATING FOR A BETTER WORLD

CONCRETE ADMIXTURE



PLASTCONE AW+

Integral waterproofing compound

Description

PLASTCONE AW+ is a chloride free integral waterproofing compound. It is supplied as a light brownish solution which instantly disperses in water. PLASTCONE AW+ disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken.

Advantages

- Allows specified strength grades to be met at reduced cement content or increased workability
- Water reduction significantly improves compressive strengths at all ages and enhances durability through the production of low permeability concrete
- Minimizes the risk of segregation and bleeding and assists in the production of a dense, close textured surface, improving durability

Uses

- To get effective means of reducing concrete permeability and thereby reducing water penetration
- To improve the effectiveness of the water content of a concrete mix
- In all types of low and high rise buildings
- In plaster mortar

Method of Application

- The optimum dosage of PLASTCONE AW+ to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimization of admixture dosage and mix design and provides a complete assessment of the concrete mix. A starting point for such trials is to use a dosage within the normal typical range of 0.20 to 0.50 Kg /100kg of cementitious material, including PFA, GGBFS and micro silica.

Standard Confirm

- IS: 2645-2003 (Certificate No. :- CM/L-7600150113)

Technical Information

PROPERTIES	RESULTS
Appearance	Brown Liquid
Sp. Gravity	1.05 to 1.07 @25°C
pH Value	7 to 8
Chloride Content	Nil
Alkali Content	Typically less than 5 g Na ₂ O equivalent per litre of admixture

This in turn leads to a series of associated benefits

- Enhanced durability: PLASTCONE AW+ reduces the permeability and increases the resistance to weathering and enhances the durability.
- Reducing water permeability ('waterproofing'): One of the most effective means by which the water permeability of a concrete mix can be reduced is to make a large reduction in water-cement ratio. PLASTCONE AW+ can be used to provide such a reduction and to produce a concrete with the benefits of low permeability.
- Corrosively: PLASTCONE AW+ Chloride free admixture will neither initiate nor promote corrosion of reinforced steel in concrete

Over dosing

- An overdose of double the intended amount of PLASTCONE AW+ will result in an increase in retardation as compared to that normally obtained at the intended dosage.

Curing

- Normal good curing practice should be adopted

Packaging

- PLASTCONE AW+ is supplied in 1, 5, 10, 20, 50 and 200 liter of containers.

Storage

- Minimum of 12 months shelf-life if kept under room temperature (i.e. 27°C).

For selection of admixture

- As per your project please visit our smart store in www.redwop.net

Note: All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary according to trials and quality of material availability.

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