

USES

- High workability without segregation
- Requires less vibration
- Improves surface finish

ADVANTAGES

- Increases compressive strengths
- Increases durability
- Lower permeability
- Increases flexural strength
- Reduces shrinkage

DESCRIPTION

Protekta GL-5 is designed for applications in the ready mix and precast concrete industries where the highest durability and performance is required.

Unlike Naphthalene, melamine & Ligno Sulphonate based admixtures, which works on the mechanism of Electrostatic repulsive forces and are therefore susceptible to further harmful reactions with the concrete by producing undesirable side products. **While polycarboxylates are safe since they work on the mechanism of Steric Hindrance**, which can overcome the weaknesses of conventional superplasticizers and no undesirable side products are produced.

APPLICATION

It is a ready to use admixture that is added to the concrete at the time of batching. Thorough mixing is essential.

WHERE TO USE : Mortar and Concrete

IMPORTANT NOTE

Protekta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

WARRANTY:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

TECHNICAL DATA

Appearance: Light Yellowish brown
pH : 7.10
Specific Gravity: 1.10

Chloride content	Confirms ISI Specifications
Compatibility with cements	Can be used with all cements including Pozzolonic cements
Permeability to water	Has very low permeability when compared to the reference sample without waterproofer
Setting time	Conforms to ISI specifications for initial and final set of concrete

DOSAGE: Depending on specific mix design and requirements, the normally recommended dosage rate is between 0.6 –0.9 %.

Other dosages may be recommended in special cases according to specific job conditions (consult Tech-Dry (India) Pvt. Ltd. for advice).

SHELF LIFE: 6 months in a closed uncontaminated container and should be used before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice

STORAGE: To be stored in closed containers in a cool place and prevent from extremes of heat

HEALTH & SAFETY: Non-Hazardous, Non-toxic, Non-flammable

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