

## DESCRIPTION

Protekta EMG is designed as an anti efflorescence admixture for concrete. This is also a very good admixture for concrete particularly for RMC. Efflorescence is a deposit of soluble salts, usually white in color, which sometimes appears on the surface on masonry or concrete construction. Often efflorescence is apparent just after the structure is completed, when the builder, architect and owner are most concerned with the appearance of the new structure.

There are occasions when efflorescence occurs from a chemical reaction between the chemicals in the materials and the chemicals in the atmosphere. Efflorescence is particularly affected by temperature, wind and humidity.

## USES

This admixture can be used in any type of concrete application Eg. Ready Mix Concrete, Precast Concrete, Ordinary concrete, Masonry, Masonry Mortar, Slucco and pipe.

In addition to being anti efflorescence it also gives excellent retention of slump loss and help reducing water cement ratio.

## ADVANTAGES

This admixture improves water repellency, workability once the additive is added in the mortar or concrete it gives superior workability.

The control concrete was compared with concrete with this admixture and can be noted that there are no efflorescence in the concrete admixture to be added.

## 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 : Yellowish brown semi pasty material  
pH : 2

Protekta M- 20 Mix-Design	
Dosage	0.9%
W/C	0.55
Slump	0 hrs 200 1 hrs 145 2 hrs 80 3 hrs 45

M -40 Mix Design	
Dosage	0.8%
W/c	0.45
Slump	0 hrs 200 1 hrs 130 2 hrs 130 3 hrs 110

**DOSAGE:** 0.6 % to 0.9%

**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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