

TECHNICAL DATA SHEET

Protection Admixture (Above Grade)



Krystol Mortar Admixture™ (KMA)

Product Code: K-309

DESCRIPTION

Krystol Mortar Admixture™ (KMA) is a hydrophillic crystalline admixture in dry powdered form which is specifically formulated to provide long-term protection in rendering/plastering, concrete masonry, mortar/protection screed, and masonry mortar units. KMA can be used to protect against water and waterborne contaminants and can be easily incorporated into the existing mix design and application processes.

KMA contains Kryton's unique and proven Krystol® technology which reacts with cement particles and water to form millions of needle-like crystals, reducing both permeability and absorption of the moisture by filling the naturally occurring pores and voids in concrete & plaster.

Krystol technology helps to simplify installation and provide superior performance such as its ability to self-seal minor cracks.

FEATURES & BENEFITS

- Enhances durability resisting salt attacks, corrosion of embedded steel and water penetration
- Minimizes the chance of debonding of plaster
- Preserves aesthetics by resisting stains and discoloration caused by efflorescence, mold & mildew and rust
- Enhances workability for ease of use, improves adhesion, reduces rebound loss and reduces cracking in plaster
- Has exceptional strength
- Self-seals minor cracking
- Withstands water under pressure
- Requires less labour thereby saving times of the construction schedule.
- Safe for contact with potable water
- Increases durability of the concrete & life of the concrete structure.
- Increases reliability & quality control.
- Reduces the cost of maintenance & repair.

ADDITIONAL RECOMMENDED USES

Also, use KMA to provide permanent protection for:

- Concrete Masonry Units
- Masonry Mortar
- Backing Mortar for tile work in wet areas
- Plastering mortar over brick work/protection screed or other prepared substrates

PROPERTIES

Physical Properties	
Appearance	Gray powder
Bulk density g/cc	1.35
pH (dissolved in water)	12

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APPLICATION

KMA is a dry powder that is added directly to the concrete/mortar during mixing. Add KMA to concrete/mortar and mix to desired consistency. Most mixes will require less water than usual. Mix for at least 5 minutes after adding to the mixer. Install cement mortar/screed/concrete as per IS guidelines. ***The dry application ensures that your w/c ratio in concrete is maintained, and the durability and strength gain are as designed.***

CURING

Protect from rain until hardened. Protect from hot sun or wind for at least 24 hours. Cure the concrete/mortar application by misting with water repeatedly for 2 or more days.

DOSAGE

- Dosage is 0.8% of cement content.
- As per the site requirements, the dosage may be increased maximum upto 1kg/bag in consultation with KRYTON representative. (Cement as per IS 456:2000)

SAFETY

For professional use only. Avoid contact with skin or eyes. Avoid breathing dust. Wear long sleeves, safety goggles and impervious gloves. The safety precautions for KMA treated mortar are the same as for regular mortar.

PACKAGING

KMA is available in 20 kg bags.

SHELF LIFE

When stored under standard conditions and minimum temperature of 7°C, KMA has a shelf life of at least 3 years for Undamaged bag.

WARRANTY

Kryton Buildmat Co. Pvt. Ltd. warrants that Kryton products are free from manufacturing defects and comply with the specifications given in their respective technical data sheet. Because conditions of use, such as site conditions, surface preparations, workmanship, concrete ingredients, weather, structural issues and other factors are beyond the control of Kryton, no warranty can be given as to the results of use. Purchaser agrees to seek the advice of qualified professionals and to determine for themselves the suitability of the products for their intended purpose and assumes all risks. Purchaser's sole remedy is limited to replacement of any product proven defective or at Kryton's option refund of the purchase price paid. THIS LIMITED WARRANTY CONTAINS THE ENTIRE OBLIGATION OF KRYTON. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. KRYTON SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. No representative of Kryton has the authority to make any representations or provision except as stated herein. Kryton reserves the right to change the properties of its products without notice.

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