

# TECHNICAL DATA SHEET

## Mortar Protection Admixture (Above Grade)



# Krytol Mortar Admixture™ (KMA)

## DESCRIPTION

Krytol Mortar Admixture™ (KMA) is a hydrophillic crystalline admixture in dry powdered form which is specifically formulated to provide long-term protection in rendering/plastering mortar, masonry mortar and concrete masonry units. KMA can often be used in place of externally applied surface sealers 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 Krytol® technology which reacts with cement particles and water to form millions of needle-like crystals, reducing both permeability and absorption of the mortar by filling the naturally occurring pores and voids in cementitious mortar.

Krytol 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
- 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 | Has exceptional strength
- Self-seals minor cracking
- Withstands water under pressure such as wind-driven rain
- Requires less labour
- Safe for contact with potable water

## RECOMMENDED USES

Use KMA to provide permanent protection for:

- Masonry Mortar (i.e. mortar that goes between the masonry units)
- Concrete Masonry units (i.e. blocks when they are manufactured)
- Backing Mortar for tile work in wet areas
- Plastering mortar over brick work or other prepared substrates

## PROPERTIES

Physical Properties	
Appearance	Gray powder
Bulk density g/cm <sup>3</sup>	1.35
pH (dissolved in water)	12

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### APPLICATION

KMA is a dry powder that is added directly to the mortar during mixing. The dosage rate is 2% by wgt of cement (See Dosage). Mix to desired consistency. Most mixes will require less water than usual. Mix for at least 5 minutes after adding to the mixer. Install mortar as normal. For increased damp-proofing performance apply mortar to a greater thickness. Continue occasional mixing as the material is being installed. Discard any material that shows signs of stiffening or setting. Do not wet-up by adding water.

### CURING

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

### DOSAGE

- Dosage is 2% of cement content
- 1 kg per 50 kg of cement

### SAFETY

For professional use only. This product becomes caustic when mixed with water or perspiration. 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 25 kg resealable pails and 1kg boxes.

### SHELF LIFE

When stored in a dry enclosed area, KMA has a shelf life of 3 years for unopened pails.

### WARRANTY

Kryton Buildmat Co. Pvt. Ltd. warrants that its products are free from manufacturer's defects and, when applied in accordance with the current specification application instructions will perform as so stated in its product literature. Because methods and conditions of use are beyond the control of Kryton, no guarantee, expressed or implied can be given as to the results of application. Liability of Kryton shall be limited to replacement of materials proved defective or, at its option, refund of the purchase price of the product.