

TECHNICAL DATA SHEET

Mortar Protection Admixture (Above Grade)

1 of 2



Krystol Mortar Admixture™ (KMA)

DESCRIPTION

Krystol Mortar Admixture (KMA)™ is a hydrophilic 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 Krystol® technology which reacts with cement particles 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.

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

FEATURES

- 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



RECOMMENDED USES

Use KMA to provide protection for:

- Rendering and plastering mortar over concrete masonry wall or other prepared substrates
- 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



PHYSICAL PROPERTIES

Appearance	Gray Powder
Bulk density g/cm ³ (lb./cu.ft.)	1.27
pH (when mixed with water)	12

Kryton Buildmat Co. Pvt. Ltd.

136-137 Centrum Plaza, Golf Course Road, Sector 53, Gurgaon, Haryana 122002 | **Telefax:** +91 124 4381140 / 41 | **Email:** info@kryton.in | **Web:** www.kryton.in

TECHNICAL DATA SHEET

Mortar Protection Admixture (Above Grade)

2 of 2



APPLICATION

KMA is a dry powder that is added directly to the mortar during mixing. The dosage rate is 0.8 to 2% by wt 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

Protection 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 0.8 to 2% of Cementitious 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.

LIMITATIONS

KMA is an effective system for rigid structures only and may not resist water for mortar that experience variable loading or repeated movement. Consult a Kryton representative for project specific recommendations.

PACKAGING

- 25 Kg resealable pails
- 1 kg pails

SHELF LIFE

KMA has a shelf life of 24 months for unopened pails when stored under standard conditions and minimum temperature of 7°C.

WARRANTY

Kryton Buildmat Co. Pvt. Ltd. (A Unit of Kryton, Canada), 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.

Kryton Buildmat Co. Pvt. Ltd.

136-137 Centrum Plaza, Golf Course Road, Sector 53, Gurgaon, Haryana 122002 | **Telefax:** +91 124 4381140 / 41 | **Email:** info@kryton.in | **Web:** www.kryton.in