



An ISO 9001: 2008 Certified Company.



Duramix - CMA

(Crystalline mortar plaster admixture)

DESCRIPTION

Duramix - CMA Crystalline Mortar Admixture is a chemical admixture in dry powdered form which is specifically formulated to provide long-term protection in rendering/plastering mortar, masonry mortar and concrete masonry units. Duramix - CMA 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.

Duramix - CMA contains Condura's unique and proven Crystalline 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.

Crystalline 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 by resisting salt attacks freeze thaw degradation, corrosion of embedded steel and water penetration
- Minimizes the chance of debonding
- Preserves aesthetics by resisting stains and discoloration caused by efflorescence, mold and mildew, and rust
- Enhances workability for ease of use, improved adhesion and reduced cracking
- Self-seals minor cracking
- Withstands water under pressure such as wind-driven rain

KEY BENEFITS

- Simplifies installation and shortens the construction cycle
- Eliminates the upfront building and labor costs specific to surface applied sealers
- Delivers a permanent solution that lasts the lifetime of the mortar
- Increases durability decreasing building maintenance and repair costs
- Improves aesthetics by maintaining the original appearance for lasting attractiveness
- Provides superior performance enhancing your reputation for high quality work

RECOMMENDED USES

Use Duramix - CMA to provide permanent protection for:

- Rendering and plastering mortar (including stucco and other thin topping mixes) over concrete masonry walls 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)

PHYSICAL PROPERTIES

Appearance	Light, grey powder
Bulk density (g/cm ³ (lb. /cu. ft.))	0.7 (44)
pH (dissolved in water)	12

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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PLASTIC PROPERTIES

WATER REDUCTION

ASTM C270 Standard Specification for Mortar for Unit Masonry

with the current specification and application instructions will perform as so stated in its product literature. Because methods Duramix - CMA will reduce water demand for mortar mixtures as compared to a control mixture of equal workability by approximately 5%. Water reduction will typically result in higher compressive strength, reduced shrinking and reduced cracking. Results may vary depending on local mortar ingredients.

APPLICATION

Duramix - CMA at 1 to 1.5 % by weight of cement. When dosing on the jobsite, measure and add 1 liter (1 quart) of tightly-packed Duramix - CMA for bag of cement in your mortar mix. Mix well. Reduce water if necessary. It is designed to be used with existing mix design and installation practices. Proper curing is essential to achieve the performance and benefits of Duramix - CMA.

LIMITATIONS

Duramix - CMA is an effective system for rigid structures only and may not resist water for mortar that experiences variable loading or repeated movement. Consult a Condura representative for project specific recommendations.

SAFETY

Read the Material Safety Data Sheet (MSDS) for this product. 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 CMS treated mortar are the same as for regular mortar.

PACKAGING

25 kg .

SHELF LIFE

CMS has a shelf life of 12 months .

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