

MORSET

Non-Chloride, Non-Corrosive Set Accelerator for Mortar

DESCRIPTION

MORSET® is a non-chloride, non-corrosive admixture that accelerates cement hydration resulting in shortened setting times and increased early strengths. MORSET is manufactured to comply with the requirements of ASTM C494 as a Type C admixture. MORSET weighs approximately 1.32 kg/L (11 lb/gal)

PRODUCT USES

MORSET is used wherever it is desirable to reduce the setting time or increase the early strength of mortar or stucco. This results in a saving in masonry construction time during cold weather. MORSET is not intended to prevent mortar from freezing. However, the time required for protection from freezing may be substantially reduced.

CHEMICAL ACTION

MORSET speeds up the reaction between the cement and the water so that at any given time, more of the gel, the binder that glues the sand particles together, is produced. The gel provides the set and strength properties of the mortar. It is produced more rapidly in mortar admixed with MORSET and is responsible for the set acceleration.

The formation of gel is accompanied by the generation of heat. The accelerated rate of gel formation caused by MORSET produces a more rapid strength development which may reduce the time that the mortar requires protection from low temperatures. As the temperature becomes colder, MORSET becomes more effective.

APPLICATION INFORMATION

Addition Rates: MORSET is used at addition rates ranging from 250 mL to 2500 mL (approx. 8-80 fl. oz.) per bag of cement. The amount used will depend upon the degree of acceleration required and the mortar and ambient temperatures. It is recommended that the exact addition rate be determined by testing with the actual materials under job site conditions.

COVERAGE & PACKAGING OF MORSET

Available in 3.5 gal. pails & 55 gal. drums

Dosage (per bag)

Air Temp (°F)	Portland	Masonry (N)
50°	16 oz.	8 oz.
32°-50°	32 oz.	16 oz.
20°-32°	48 oz.	24 oz.
<20°	64 oz.	32 oz.

NOTE: Coverages are approximate
128 oz. per gallon

DRY-BRICK

Admixture for Masonry Mortar

PRODUCT DESCRIPTION

BASIC USE

DRY-BRICK Mortar Admixture minimizes water penetration through the mortar joints and also minimizes efflorescence. By reducing water in the wall system, there is less likelihood of soluble salts in the mortar being dissolved and brought to the surface as efflorescence. Reducing moisture penetration also lessens the likelihood of mold and mildew growth in or on the wall. As an integral admixture, DRY-BRICK Mortar Admixture provides water protection throughout the depth of the mortar joint. DRY-BRICK Mortar Admixture's water repellent properties prevent moisture from wicking through the mortar joint into the building interior.

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C780 Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
- ASTM C1357 Standard Test Method for Evaluating Masonry Bond Strength

INSTALLATION

DRY-BRICK Mortar Admixture contains workability agents to improve ease of placement and to more effectively use mix water. DRY-BRICK Mortar Admixture can reduce the total amount of water required to achieve a given level of workability.

METHODS

Mixing Procedure

Agitate DRY-BRICK Mortar Admixture before using. DRY-BRICK Mortar Admixture should be added to the mix water prior to adding cement and sand. It is important to reduce initial water used in the mortar.

PRECAUTIONS: DRY-BRICK must be protected from freezing. Once frozen, it is unusable.

COVERAGE & PACKAGING OF DRY-BRICK: Available in Quart bottles, 12 per case OR 55 gallon drums

Dosage (Approximated): (A) 1 quart per bag Portland, 1/2 quart per bag hydrated lime

(B) 1 quart per bag Pre-blended (Portland & Lime)

(C) 1/2 quart for every 3 cu. Ft. of pre-blended bulk mortar produced