MORSET®

Non-Chloride, Non-Corrosive Set Accelerator for Mortar ASTM C1384

Product Description

MORSET® is a non-chloride, non-corrosive admixture that accelerates cement hydration resulting in shortened setting times and increased early strengths. MORSET is an aqueous solution of organic and inorganic compounds and does not contain any chloride compounds such as calcium chloride.

MORSET is manufactured to comply with the requirements of ASTM C 1384 Standard Specification for Admixtures for Masonry Mortars.

Product Uses

MORSET is used wherever it is desirable to reduce the setting time of mortar or stucco. MORSET is not an anti-freeze admixture nor is it intended to prevent mortar from freezing. When used in conjunction with cold weather practices (see NCMA TEK 3-1), MORSET provides superior performance and allows for construction to continue.

Features and Benefits

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.

MORSET, non-corrosive, non-chloride set accelerating admixture provides setting time results and early strength development similar to calcium chloride, but without the corrosive effect of calcium chloride. MORSET can, therefore, be used where potential corrosion of embedded steel must be avoided. It can be used where uncoated or coated steel reinforcement or ties are present.

Application Information

Because MORSET does not contain chloride, it does not contribute to efflorescence. When pigments are used to provide a specific color tone, trial batches are recommended to ensure the desired color is developed and to establish the range of addition rates allowed. Morset is compatible with other GCP admixtures, but they must be added separately to the mix. Additionally, testing with the specific materials is recommended to ensure the results obtained are acceptable.

Product Advantages

- Non-corrosive
- Non-chloride
- Can be used with coated or uncoated steel reinforcement or ties

Addition Rates

The addition rate of MORSET will depend upon the acceleration required for specific job conditions. It is recommended that the exact addition rate be determined by testing with the actual materials under job site conditions. The following addition rates are offered as a guideline and are based on average performance with a variety of materials and conditions. MORSET should be added separately to the mix. It can be added on the sand, in the water, or after all other ingredients are in the mixer.

Packaging

MORSET is available in pails, drums and totes.

Freezing

MORSET will freeze at approximately –5°F (–20°C) but its properties are completely restored by thawing and thorough agitation.

Suggested Addition Rates oz/bag of cement (mL/bag of cement)

AIR TEMP. °F (°C)	PORTLAND CEMENT/LIME	MASONRY OR MORTAR CEMENT
50 (10)	16 (500)	8 (250)
32-50 (0-10)	32 (1000)	16 (500)
20-32 (–7 - 0)	48 (1500)	24 (750)
< -7	64 (2000)	32 (1000)

Last Updated: 2018-08-27

gcpat.it/solutions/products/morset

gcp applied technologies