

# MORTARD® E Data Sheet

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Set retarder for centrally-produced extended life mortar

## Product Description

MORTARD® E is a ready-to-use aqueous solution of chemical compounds that provide extended life, increased workability and greater compressive strengths of Portland cement-based masonry mortar.

## Uses

The masonry construction industry's need for job site mixing of mortar has typically been satisfied by proportioning with shovels or pails. This requires the maintenance of a site stockpile of sand and cementitious materials as well as mixers and mixer personnel. Extended life mortar utilizing MORTARD®E eliminates these needs and at the same time increases productivity while providing mortar consistency and uniformity; a requirement for quality masonry work.

MORTARD®E is primarily used in centrally produced (batch plant) extended life masonry mortar. However, due to its unique formulation, MORTARD®E may also be used in job site mixed mortar to enhance mortar boardlife and workability during warm weather construction.

MORTARD®E is used to provide extended life in Portland cement/ lime mortar as well as in masonry cement and mortar cement mortars. Other uses for MORTARD®E include Portland cementbased stucco scratch and surface coats. MORTARD®E is also used in colored mortar and assists in greater color uniformity.

## Product Function

MORTARD®E provides extended mortar life, disperses cement particles, and allows for more complete cement hydration and greater compressive strengths. Through its retarding action, MORTARD®E will maintain the plasticity of the mortar while in bulk storage.

Upon application of the mortar, the masonry units absorb the mixing water causing the mortar to stiffen without setting. It should not be necessary to re-temper the mortar to maintain workability or trowelability. But in general, minimal re-tempering will not impair quality.

## Product Advantages

- Ready-to-use
- Produces batch plant extended life mortar
- Enhances workability and boardlife of job site mixed mortars
- Can be used in stucco scratch and finish coats
- Aids in greater color uniformity

## Application Information

MORTARD<sup>®</sup>E 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.

### Addition Rates:

The addition rate of MORTARD<sup>®</sup>E will depend upon the workability required for specific job conditions. For batch plant produced extended life mortar, using a specific set of materials, a 12 fl oz/100 lbs (780 mL/100 kg) of cement addition rate has produced 36-hour mortar.

The addition rate of MORTARD<sup>®</sup>E for job site mixed mortar shall not exceed 2 oz/bag (60 mL/bag) of masonry or mortar cement based mortar and 3 oz/bag\* (90 mL/bag\*) of Portland cement/lime based mortar (\*Portland cement only). For job site produced stucco, follow the dosage rates provided above. It is recommended that the exact addition rate be determined by testing with the actual materials under job site conditions.

## Packaging and Handling

MORTARD<sup>®</sup>E admixture is available in 3.5 U.S. gal (13 L) pails weighing approximately 36 lbs (16 kg), 55 U.S. gal (210 L) drums weighing approximately 600 lbs (273 kg) and 275 U.S. gal (1,040 L) returnable totes weighing approximately 2,960 lbs (1,340 kg). One gallon weighs approximately 9.6 lbs (4.4 kg).

MORTARD<sup>®</sup>E will freeze at approximately 32 °F (0 °C), but will return to full effectiveness after thawing and thorough mechanical agitation.

## Health & Safety

All precautions defined on the SDS (Safety Data Sheet ) for MORTARD<sup>®</sup>E must be followed.

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