



# UltraMortar Type FM

Product Data Sheet

## Description:

UltraMortar Type FM is a proprietary mixture of Portland Cement, hydrated lime, ASTM C144 plaster sand and/or color pigments. UltraMortar Type FM meets ASTM C 270 proportion and property requirements for Type FM mortar.

## Uses:

One Step mortar for placing non-structural concrete block fences. Designed specifically for use with 4" fence blocks.

## Color:

Natural Gray

## Packaging:

90 lb. (40.77 Kg) paper sack

## Yield:

Approximate yields are as follows:

- 30 @ 4" x 8" x 16" concrete block.
- 25 @ 6" x 8" x 16" concrete block.
- 20 @ 8" x 8" x 16" concrete block

## Mixing:

To begin, place 1 to 1.5 gallons of potable water into a mechanical mixer. As the mixer is running add one 90 lb. bag of UltraMortar Type FM. Gradually add the remaining .5 to 1 gallons of potable water and blend until the desired consistency is achieved (about 4 to 5 minutes). Stop the mixing and allow the material to slake for 3 to 4 minutes. Then start the mix-

ing again to break the initial set (usually 1 to 2 minutes). Working time per batch is 45 minutes or less. **NOTE:** *The amount of water needed to reach the desired workability will vary with temperature, humidity, wind, exposure, and site location or region. It is also important to keep the water content and mixing times consistent from batch to batch.*

## Limitations:

UltraMortar Type FM should be applied when surface and ambient temperature are above 38°F (13°C) and 110°F (35.7°C) during application and cure time. Strengths may decrease if UltraMortar Type FM is not tooled. High absorptive masonry unit may also decrease strengths

## Surface Preparation:

Surface must be clean and free from bond-inhibiting materials such as dirt, dust. Rust, grease, oil, efflorescence, mildew, fungus, form release agents, or any other contaminants. Remove and repair any loose mortar, stucco, concrete, or masonry by water blasting, sand blasting, scraping, or using a wire brush. Substrates shall be sound and securely fastened. Failure to correctly prepare the surface may result in product failure.

## Application:

The time lapse between spreading UltraMotor Type FM and placing the masonry units shall not exceed two minutes. Tool mortar

joints when surface is thumb print hard. Tooling times should be consistent.

## Curing/Drying:

Drying time averages about 4 hours depending on ambient and surfaces temperatures, wind, and humidity. UltraMortar needs to be protected from rain and other moisture sources and allowed to cure for a minimum of 24 hours. UltraMortar will fully cure in about 4 days.

## Storage:

is good for one year when stored in a cool dry place and out of direct sunlight. Keep from freezing.

## Clean Up:

Clean tools and equipment with water immediately after use.

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**Precautions:**

KEEP OUT OF THE REACH OF CHILDREN. Not for internal consumption. Do not apply in non-ventilated area. Use protective equipment such as gloves, eye protection and clothing.

**First Aid:**

In case of eye contact, flush with water at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort continues or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION. For additional information refer to the UltraMortar Type FM Material Safety Data Sheet (MSDS).

**Disposal:**

Dispose of in accordance with local, state or federal regulations.

**Warning:**

KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION, FOR INDUSTRIAL USE

**Spills:**

Scrape up and wash with water immediately. If material has set, scrape material with appropriate tools and clean with citric acid.

**Prop 65:**

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

**Technical Support:**

For technical support call 1-602-272-5830. Information contained in this Product Data Sheet conforms to the standard detail recommendations and specifications for the installations of UltraKote products as of the date published on this document. UltraKote Products, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most current information, contact UltraKote Products, Inc

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