

# USM

Masonry Products

## Tuck Point Mix

*Pre-Blended Mortar for Tuckpointing Brick, Block & Stone*

### DESCRIPTION

USM **Tuck Point Mix** is a mixture of masonry sand, type S lime and portland cement blended to meet ASTM C-270 specifications for type O mortar with a special plasticizer added to aid in tuckpointing. **Tuck Point Mix** displays superior plasticity and bond properties which allow the joint to be tooled easily and efficiently. Tuckpointing deteriorating masonry joints will enable a structure to have a longer life cycle due to increased waterproofing and overall structural soundness.

### USES

**Tuck Point Mix** was specifically designed for use as a pre-blended tuck point mixture for all types of masonry.

### BENEFITS

- Outstanding Workability: Smooth spreading ability lends itself to a quality finish
- Designed to match old mortar
- High Bond Strength: Integral lime penetrates masonry unit to crystallize and lock mortar units together
- Mortar Board Life: Lime allows for an extended board life
- Consistency: Pre-blended concept eliminates job-site problems of inconsistent mortar batches

### LIMITATIONS

Do not apply when the temperature is below 40°F (4°C) or when the temperature is expected to fall below 40°F within 24 hours. Do not apply over surfaces that are frozen or contain frost. As with any cement based product, cold weather precautions must be implemented to prevent product from freezing before full hydration has taken place. Good masonry practices of job-site tenting and heating during cold weather are strongly recommended.

**Tuck Point Mix** is mostly white in color and may need to be altered with pigments to match existing masonry joints. Experiment with different amounts of pigment color for proper shading. A test batch that has been colored should be allowed to fully cure so color comparisons can be made.

### YIELD

Because all rehabilitation projects differ in nature and scope, product yields will vary with conditions.

### SURFACE PREPARATION

All surfaces in contact with **Tuck Point Mix** shall be free of dirt, oil, grease, laitance and other contaminants. Grind or rake joint to a minimum depth of 3/8" ensuring all unsound mortar is removed from the structure. Air blow or sweep out all remaining dust and residue. Spray water into the joints prior to applying **Tuck Point Mix**. It is important to inbed the surrounding masonry units with some moisture/water so as the units do not wick too much water from the **Tuck Point Mix** when it's applied.

### MIXING

Mix each 10 lbs. of **Tuck Point Mix** with 1-1/2 pints of cool, clean potable water. Always add the powder to the liquid and mix to a lump free consistency. Varying amounts of water can be used to reach desired consistency of tuck pointing material.

### TOOLING

Mortar joints must be tooled before the material loses its plasticity. Tooling the joints not only provides an attractive finish, it increases the weather resistance of the material.

### CLEANING

Use potable water to keep walls as clean as possible during construction. Cleaning agents may be used after wall has thoroughly cured. To ensure compatibility, test the cleaning agent on a sample area before the project begins. Follow all application information as described by the manufacturer.

### CURING

Proper curing of mortar is essential for maximum strength to be achieved. For best results, a 72 hour damp cure is recommended.

04200

MORTAR FOR MASONRY UNITS

**Packaging: 10 lb. pails, 4 pails per box or 70 lb. bags, 42 bags per pallet.**

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### PHYSICAL PROPERTIES

#### Compressive Strength (ASTM C-109)

	7 DAYS	14 DAYS	28 DAYS
ASTM C-270 Type O			350 psi 2.41 MPa
Tuck Point Mix	250 psi 1.72 MPa	400 psi 2.76 MPa	500 psi 3.45 MPa

#### Water Retention (ASTM C-91)

	28 DAYS
ASTM C-270 Type O	75% Minimum
Tuck Point Mix	92%

#### Air Content (ASTM C-91)

	28 DAYS
ASTM C-270 Type O	12% Maximum
Tuck Point Mix	3.7%

### STORAGE/SHELF LIFE

Normal cement storage and cement handling practices should be observed. It is imperative that product stored on the job-site is adequately protected from the weather and moisture intrusion. When stored properly **Tuck Point Mix** will stay in a usable state for approximately one year.

### REGULATORY

Read and follow application information, precautions and Material Safety Data information.

Right to know

This product contains Portland Cement (CAS #65997-15-1) and Crystalline Silica (CAS #14808-60-7).

HMIS

Health 1, Fire 0, Reactivity 0

Prop 65

Warning! This product contains Crystalline Silica, a chemical known by the State of California to cause cancer or reproductive toxicity.

VOC Content

0 g/L

### CAUTION

EYE AND SKIN IRRITANT

Contains Portland Cement (CAS #65997-15-1) and Crystalline Silica (CAS #14808-60-7). Do not allow contact with eyes or skin. Avoid breathing dust - Silica may cause serious lung problems. There is limited evidence silica is a carcinogen. The use of gloves, goggles, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention

### TECHNICAL SERVICE

US MIX Co.

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Denver, CO 80223

Tel: 303-778-7227 Fax: 303-722-8426

Web Site: [www.usmix.com](http://www.usmix.com)

**NOTICE OF LIMITED WARRANTY** US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.

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