



**1. Product Name**

Holcim Mortamix® Masonry Cement

**2. Manufacturer**

Holcim (US) Inc.  
6211 North Ann Arbor Road  
P.O. Box 122  
Dundee, MI 48131  
(800) 854-4656  
(734) 529-2411  
Fax: (734) 529-4110  
www.holcim.us  
www.cementonline.us  
www.masonrybydesign.com

**3. Product Description**

**BASIC USE**

Holcim Mortamix® Masonry Cement is scientifically formulated and manufactured to be used in producing masonry mortars for use in brick, block and stone masonry. Mortamix Masonry Cement also can be used to produce stucco, a versatile facing material that can be applied to wall or ceiling surfaces to achieve special architectural finishes.

**COMPOSITION & MATERIALS**

The ingredients of Holcim Mortamix Masonry Cements are Portland cement, plasticizers, ground limestone and air entraining additives, which are combined and processed at Holcim manufacturing facilities under controlled conditions to ensure uniform performance.

**TYPES**

Holcim Mortamix Masonry Cement is produced to meet ASTM C91 Type N, Type S or Type M strength levels to be used, respectively, in preparing Type N, S or M mortar that conforms to ASTM Standard Specification C270. While climate conditions, exposure and engineering requirements must be considered, Type N mortar, 750 psi (5 MPa), is recommended for above-grade interior and exterior load-bearing and non-load bearing walls. Types S and M mortars are higher compressive strength of 1800 and 2500 psi (12 and 17 MPa), respectively, and are recommended for walls below-grade and load-bearing walls where higher compressive strengths are needed.

**SIZES**

Type N  
Holcim Mortamix Masonry Cement Type N is packaged in 70.5 lb (32 kg) bags.

Type S  
Holcim Mortamix Masonry Cement Type S is packaged in 75 lb (34 kg) bags.

Type M  
Holcim Mortamix Masonry Cement Type M is packaged in 79.4 lb (36 kg) bags.

**COLORS**

Holcim Mortamix Masonry Cement is gray. Holcim also markets pigmented masonry products such as Holcim Rainbow Mortamix Custom Color Masonry Cements.

**LIMITATIONS**

To ensure optimal product performance, masonry cements should be mixed with clean sand conforming to ASTM C144 and potable water. Mortar should be mixed for 3 - 5 minutes.

**4. Technical Data**

**APPLICABLE STANDARDS**

- ASTM International
- ASTM C91 Standard Specification for Masonry Cement
- ASTM C144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C270 Standard Specification for Mortar for Unit Masonry

**PHYSICAL/CHEMICAL PROPERTIES**

- Each type of Holcim Mortamix Masonry Cement conforms to ASTM C91
- Types N, S or M Mortamix Masonry Cements are used to produce ASTM C270 Type N, Type S or Type M mortars, respectively
- Requirements for sand to be used in conjunction with these products are outlined in ASTM C144
- Holcim Mortamix Masonry Cement is formulated to provide consistent strength, durability and workability as well as pleasing final aesthetic appearance

**5. Installation**

**PREPARATION & APPLICATION**

Holcim Mortamix Masonry Cement should be mixed in accordance with the proportions outlined in ASTM C270.



Holcim Mortamix® Masonry Cement

Use 1 bag of Mortamix Masonry Cement (Type N, S or M) to 2 1/4 to 3 parts by volume of damp, loose masonry sand conforming to ASTM C144. First add 1/2 to 2/3 of the water required, then add 1/2 the sand, and then one bag of Mortamix to the mixer. Finally, add the rest of the sand and sufficient water to achieve the desired field workability. The mortar should be mixed for 3 to 5 minutes after all materials are in the mixer.

Holcim Mortamix Masonry Cement is manufactured under controlled conditions and is laboratory tested to ensure consistency and uniformity. Mixing instructions are printed on each bag. Never change sand sources or proportion during the job. Machine mixing is highly recommended. When applying masonry mortars, tool all joints at the same degree of firmness. It is important to protect masonry units from weather before and after they are set in place.

**PRECAUTIONS**

Direct contact with the skin should be avoided. If contact occurs, the skin should be washed with water as soon as possible. Exposure of sufficient duration to wet Holcim Mortamix Masonry Cement can cause serious, potentially irreversible tissue destruction in the form of chemical (caustic) burns. If Holcim Mortamix Masonry Cement gets into the eyes, immediately rinse them thoroughly with water and seek medical attention. For more complete information, reference is made to the applicable Material Safety Data Sheets (MSDS), which should be consulted prior to use of this prod-

uct. These MSDS are available upon request.

## 6. Availability & Cost

### AVAILABILITY

Holcim Mortamix Masonry Cement is available throughout most of the United States.

### COST

Pricing information can be obtained from the nearest Holcim Sales Office.

## 7. Warranty

Upon request, Holcim can provide Material Certification Reports demonstrating that Holcim Mortamix Masonry Cement meets or exceeds applicable ASTM standards. For more warranty information, contact the nearest Holcim Sales Office.

## 8. Maintenance

In areas where concrete cleaners and sealers are required, proper instructions should be followed. Contact the appropriate product manufacturer before application.

## 9. Technical Services

Technical service is available by contacting the nearest Holcim Sales Office. With advance notice, technical service can be provided at jobsite locations.

## 10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.
- [www.holcim.us](http://www.holcim.us)
- [www.cementonline.us](http://www.cementonline.us)
- [www.masonrybydesign.com](http://www.masonrybydesign.com)

## Corporate Headquarters

Holcim (US) Inc.  
201 Jones Road  
Waltham, MA 02451  
(866) 465-2460

## Corporate Office:

6211 Ann Arbor Road  
P.O. Box 122  
Dundee, MI 48131  
(800) 854-4656