

1. Product Name

- Mortar Cement

2. Manufacturer

Holcim (US) Inc.
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3. Product Description

Basic Use

Mortar Cement is a formulated cementitious material manufactured to be used in producing masonry mortars for use in brick, block and stone masonry units. Mortar Cement mortars are recommended for above- and below-grade load bearing walls where higher bond strengths are needed. Mortar Cement can also be used to produce stucco, a versatile facing material that can be applied to wall or ceiling surfaces to achieve special architectural finishes.

Composition and Materials

Mortar Cement is a combination of portland cement, plasticizers, ground limestone and air entraining additives. The above ingredients are combined and processed at Holcim US manufacturing facilities under controlled conditions to ensure uniform performance.

Types

Mortar Cement is produced to meet ASTM C1329 Standard Specification for Type N, S or M mortar cements and is used in preparing mortar that conforms to ASTM C270 Type N, S or M.

Sizes

Mortar Cement is available in the following packaging size (bag)

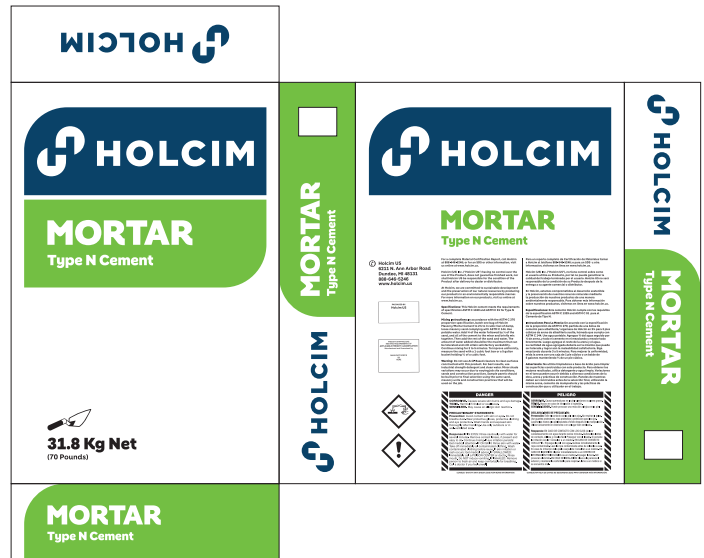
- **Type M** 36.3 kilogram (80 pound)
- **Type S** 34 kilogram (75 pound)
- **Type N** 31.8 kilogram (70 pound)

Colors

Mortar Cement is gray. Holcim also markets pigmented mortar cement products such as Mortamix® Rainbow Custom Color Mortar Cements™.

Benefits

- Provides consistent strength, durability and workability
- Manufactured under controlled conditions to ensure uniform performance



4. Technical Data

Applicable Standards

ASTM International

- **ASTM C144** Standard Specification for Aggregate for Masonry Mortar
- **ASTM C270** Standard Specification for Mortar for Unit Masonry
- **ASTM C1329** Standard Specification for Mortar Cement

Physical/Chemical Properties

- Mortar Cement conforms to ASTM C1329 Type S
- Mortar Cement is used to produce ASTM C270 Type S mortar
- Requirements for sand to be used in conjunction with these products are outlined in ASTM C144
- Mortar Cement is formulated to provide consistent strength, durability and workability as well as a pleasing final aesthetic appearance
- It also provides the compressive and bond strength needed for engineered masonry construction

5. Installation

Preparatory Work

Mortar Cement should be mixed in accordance with the proportions outlined in ASTM C270. Machine mixing is highly recommended. Mixing instructions are printed on each bag and shown below:

- Use 1 bag of Mortar Cement to 2-1/4 to 3 parts damp loose sand by volume. Sand requirements are outlined in ASTM C144
- First add approximately 3/4 of the desired volume of mix water, then add 1/2 the sand followed by 1 bag of Mortar Cement to the mixer
- Finally, add the rest of the sand and remaining mix water to achieve the desired field workability
- The combined materials should be mixed 3-5 minutes after all materials are in the mixer

Precautions

Performance

- Never change sand sources or mortar mixture proportion volumes during the project
- Holcim US does not recommend the use any other additives or admixtures
- Tool all joints to the same degree of firmness in a uniform consistent manner
- Avoid excessive re-tempering, which could result in color variations
- Protect masonry units from weather before and after they are set in place
- Holcim US does not recommend the use of acid-based cleaning solutions
- To verify finished appearance, Holcim US always recommends that a job specific sample panel be erected; using the same sand, masonry units and construction practice used on your project.

Safety

Avoid direct contact with the skin. If contact occurs, wash skin with water as soon as possible. Exposure of sufficient duration to wet Mortar Cement can cause serious and potentially irreversible tissue destruction in the form of chemical burns. If Mortar Cement gets into the eyes, immediately flush eyes thoroughly with water and seek medical attention.

For more complete information, reference is made to the applicable Safety Data Sheets (SDS), which should be consulted prior to use of this product. These SDS are available at www.holcim.us

6. Availability and Cost

Availability: Mortar Cement is available throughout most of the United States. Contact the manufacturer for information about local availability.

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

7. Warranty

Upon request, Holcim US can provide Material Certification Reports demonstrating that Mortar Cement meets applicable ASTM standards. Holcim will not guarantee finish work, having no control over use of this product. Holcim shall not be responsible for condition of cement after delivering to dealer or distributor.

8. Maintenance

In areas where cleaners and sealers are used, 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 at (888) 646-5246. With advance notice, technical service can be provided at jobsite locations.

For questions on any technical information contained in this document, contact a Holcim Technical Service Engineer for further detail.

10. Filing Systems

Additional product information is available from the manufacturer

Corporate Headquarters

Holcim
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