



1. Product Name

Holcim Mortamix® Rainbow Custom Color Mortar Cement™

2. Manufacturer

Holcim (US) Inc.
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3. Product Description

BASIC USE

Holcim Mortamix® Rainbow Custom Color Mortar Cement™ is scientifically formulated and manufactured to be used in producing masonry mortars for use in brick, block and stone masonry. Holcim Mortamix Rainbow Custom Color Mortar Cement mortars are recommended for above- and below-grade walls, load bearing walls and where higher strengths and bond 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. Holcim Mortamix Rainbow Custom Color Mortar Cement can be custom blended to match, contrast with or complement the colors of specified masonry materials (e.g. bricks, block and stone).

COMPOSITION & MATERIALS

Holcim Mortamix Rainbow Custom Color Mortar Cement is a combination of cement, plasticizers, ground limestone, air entraining additives and pigments. The pigments are inorganic oxides. The above ingredients are combined and processed at Holcim manufacturing facilities under controlled conditions to ensure uniform performance.

TYPES

Holcim Mortamix Rainbow Custom Color Mortar Cement is produced to meet all requirements of ASTM C 1329 for the respective types of mortar cement, including air content, compressive strength and bond

strength. It is for use in preparing mortar that conforms to ASTM C 270 for the indicated type.

SIZES

Holcim Mortamix Rainbow Custom Color Mortar Cement is available in the following packaging sizes (bags):

- Type N - 32 kg (70.5 lb)
- Type S - 34 kg (75 lb)
- Type M - 36 kg (79.4 lb)

COLOR

Holcim Mortamix Rainbow Custom Color Mortar Cement is available in many standard colors, including white. In addition, colors can be custom formulated under laboratory conditions to match desired customer specifications.

BENEFITS

- Provide consistent strength, durability and workability
- Provides the compressive strength and bond strength needed for engineered masonry construction

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C 144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C 270 Standard Specification for Mortar for Unit Masonry
- ASTM C 1329 Standard Specification for Mortar Cement

PHYSICAL/CHEMICAL PROPERTIES

- Holcim Mortamix Rainbow Custom Color Mortar Cement conforms to ASTM C 1329 for the indicated type
- Types N, S or M Holcim Mortamix Rainbow Custom Color Mortar Cements are used to produce ASTM C 270 Type N, Type S or Type M mortars, respectively
- Requirements for sand to be used in conjunction with these products are outlined in ASTM C 144
- Holcim Mortamix Rainbow Custom Color Mortar Cement is formulated to provide consistent strength, durability and workability as well as pleasing final aesthetic appearance
- It also provides the compressive and bond strength needed for engineered masonry construction



Mortamix Rainbow Custom Color Mortar Cement

5. Installation

PREPARATORY WORK

Holcim Mortamix Rainbow Custom Color Mortar Cement should be mixed according to ASTM C 270. Prior to the start of each job, it is recommended to construct a job sample panel in order to properly match color. Machine mixing is required to achieve color uniformity. Mixing instructions are printed on each bag and shown below:

- Use 1 bag Holcim Mortamix Rainbow Custom Color Mortar Cement to 2 1/4 to 3 parts by volume of sand conforming to ASTM C 144
- First add approximately 3/4 of the water required; then add 1/2 the sand and then 1 bag of Holcim Mortamix Rainbow Custom Color Mortar Cement to the mixer
- Finally, add the rest of the sand and sufficient water to achieve the desired field workability
- The combined materials should be mixed for 3 - 5 minutes after all materials are in the mixer

PRECAUTIONS

Performance

- Each batch should be mixed precisely and consistently to achieve the desired color
- Never change sand sources or amounts during the project

- Do not use any other additives or admixtures
- Tool all joints to the same degree of firmness
- Avoid excessive re-tempering, which could result in color variations
- Protect masonry units from weather before and after they are set in place
- Holcim does not recommend the use of acid-based cleaning solutions

Safety

Avoid direct contact with the skin. If contact occurs, wash skin with water as soon as possible. Exposure of sufficient duration to wet Holcim Mortamix Rainbow Custom Color Mortar Cement can cause serious and potentially irreversible tissue destruction in the form of chemical burns. If Holcim Mortamix Rainbow Custom Color Mortar Cement gets into the eyes, immediately flush eyes thoroughly with water and seek medical attention. For more complete information, refer to the Material Safety Data Sheet (MSDS), which should be consulted prior to use of this product. The MSDS is available from the manufacturer upon request.

6. Availability & Cost

AVAILABILITY

Holcim Mortamix Rainbow Custom Color Mortar Cement is available throughout most of the United States. Contact Holcim about local availability.

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 Rainbow Custom Color Mortar Cement meets or exceeds applicable ASTM standards. Holcim (US) Inc. will not guarantee finish work, having no control over use of this product. We 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.

10. Filing Systems

- SmartBuilding Index (SBI)
- Additional product information is available from the manufacturer
- www.holcim.us

Corporate Headquarters

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