

PRODUCT DESCRIPTION

Masonry Cement is designed to be mixed with masonry sand to create masonry mortar applications for brick and stone with consistent strength, durability, and workability. Climate conditions, exposure, and engineering requirements must be considered when selecting the mortar type.

Type N mortar is recommended for above-grade interior and exterior load-bearing and non-load bearing walls. Type N is used for applying brick or stone veneer.

Type S mortars are recommended for walls above- or below-grade and load-bearing structural walls where higher compressive strengths are needed. Type S Masonry Cement can also be mixed for stucco applications.

Type M is designed for structural, below-grade, load-bearing walls where higher compressive strengths are needed.

Each type conforms to ASTM C-91 Standard Specification for Masonry Cement, and are used to produce ASTM C270 for Type N, Type S, or Type M mortars respectfully.

WHEN/WHERE TO USE

- Basic building material for mortar applications
- Interior and exterior
- New construction, tuckpointing, and repairs

ADVANTAGES

- Durable
- Cost effective
- High strength

AVAILABLE SIZES

- Type N is available in 70 lb. (32 kg) bag (BOM #100920)
- Type S is available in 75 lb. (34 kg) bag (BOM #100917)
- Type M is available in 70 lb. (32 kg) bag (BOM 100868)

TYPICAL YIELD

Yield will vary with the design mix and are approximate. One bag of Masonry Cement will make enough mortar to lay

150 modular bricks or 40 modular 8 in. concrete blocks with 3/8" (9.5 mm) joints.

PREPARATION

Read all directions before starting work. Surfaces to receive masonry mortar can be dry or damp. Remove all loose or unsound materials. Thoroughly clean surfaces of dirt, dust, grease, or other contaminants that could inhibit bond.

MIXING

Refer to the mix design chart for proportions by volume per appropriate application. A general purpose mortar will use approximately 4 3/4 gallons (18 L)

Typical Mix Designs by Volume	
Type N Mortar Mix	
Masonry Cement	Masonry Sand (meets ASTM C144)
1 Part	3 Parts
Type S Mortar Mix	
Masonry Cement	Masonry Sand (meets ASTM C144)
1 Part	2.25 to 3 Parts
Type S Stucco Mix	
Masonry Cement	Plaster Sand (meets ASTM C 867)
1 Part	2.25 to 5 Parts
Type M Mortar Mix	
Masonry Cement	Masonry Sand (meets ASTM C144)
1 Part	2.25 to 3 Parts

of clean water. Add approximately 3/4 of the water required; add 1/2 the sand; and now add the Masonry Cement to the mixer. Then add the rest of the sand and sufficient water to achieve the desired field workability, too much water will weaken the product. Mix combined materials for 3-5 minutes after all the materials are in the mixer until uniform, workable consistency is reached. Machine mixing is recommended. Maintain consistency from batch to batch.

APPLICATION

Concrete will remain workable for at least 1 hour. The air, mix, and substrate temperatures should all be between 40°-90°F (4.4°-32.2°C). Protect from freezing for at least 48 hours.

Masonry Cement Type	ASTM C109 Compressive Strength
Type N	750 psi (5 MPa)
Type S	1800 psi (17 MPa)
Type M	2500 psi (17 MPa)

CLEAN UP

Use warm, soapy water for cleaning hands and tools while product is wet.

NOTES AND LIMITATIONS

- 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 unites from weather before and after they are set in place
- Acid-based cleaning solutions are not recommended
- Gloves and goggles are recommended safety equipment
- Use only clean mixing container and tools
- Store in tightly closed container off the floor in a dry place

Proper application and installation of all TCC products are the responsibility of the end user

WARNING

Always read the product SDS and cautionary statements on product container prior to application. Wear proper protective gear as advised on the label and/or SDS. Wash hands thoroughly with warm, soapy water after handling or before eating. Do not take internally. KEEP OUT OF REACH OF CHILDREN

WARNING: INJURIOUS TO EYES

KEEP OUT OF REACH OF CHILDREN

WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring

Helpful Items:



Safety Glasses



Gloves



Water



Concrete Mixer



Masonry Cement

Types N, S, and M • Mix with masonry sand for brick & stone applications

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damages hereunder, it is agreed that, Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

ENVIRONMENTAL ADVISORY

Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife. Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

Shelf Life	One year in original, unopened container.
Storage Conditions	Store dry in tightly sealed container.
Color	Gray