

USM

Masonry Products

Core Grout

Pre-Blended Mixture for Grouting CMU Walls

DESCRIPTION

USM Core Grout is a commercial grade mixture of Portland cement, sand and 3/8" aggregate for filling cores in concrete masonry units. Additionally, **Core Grout** also exceeds "The Masonry Institute of America Method of Testing Masonry Grout for Strength" specifications.

USES

Core Grout is ideal as a fill for CMU core in masonry construction

BENEFITS

- Pre-Blended - Ready to use, just add water
- Consistency - Pre-blended concept eliminates job site mixing of portland cement, sand and gravel
- No waiting for the ready mix truck - Grout your wall when you are ready
- Consistent - Strict Quality Control testing and standards

STANDARDS

Core Grout meets and exceeds the requirements of ASTM C-476 when tested in accordance with ASTM C-109.

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.

As with any pre-blended material where water is added at the job-site, over watering of **Core Grout** is detrimental to the overall compressive strength of the product. Core Grout will meet the strengths in the table at 28 days if it is mixed at a slump of 9 inches or lower. A slump cone test (ASTM C-143) from an accredited testing company must accompany all field or laboratory sampling per

LIMITATIONS [CONT.]

ASTM C-109. A 9-inch slump is still highly flowable and can be poured down in CMU cells effectively. Test results without slump cone tests will be considered invalid. Please call our technical service department if you have any questions about ASTM C-109 in conjunction with ASTM C-476.

MIXING

For best results, use a mechanical paddle type mixer. Pre-wet mixer and empty excess water. Add enough potable water to achieve desired consistency. It is a good idea to have a measurable container to allow the mixer operator to add the same amount of water to the mixer each time. Material should be mixed for a minimum of 5 minutes.

STORAGE/SHELF LIFE

Normal cement storage and 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, **Core Grout** will stay in a usable state for approximately one year.

03 600

GROUTS

Packaging: 80 lb (42 bags per pallet) or 3000 lb

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PHYSICAL PROPERTIES

Compressive Strength (ASTM C-109)

| | 7 DAYS | 28 DAYS |
|-------------------|------------------------|------------------------|
| ASTM C-476 Type S | | 2,000 psi 13.78 MPa |
| Core Grout | 2,200 psi 15.16 MPa | 3,150 psi 21.70 MPa |

Rate of Set (ASTM C-266)

| INITIAL | FINAL |
|---------|-------|
| 2:45 | 5:40 |

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.

112 South Santa Fe Drive

Denver, CO 80223

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

Web Site: 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.

LIMITATION OF WARRANTIES AND LIABILITY Buyer assumes all risks associated with the use of this product. Manufacturer expressly disclaims all warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose and all other warranties otherwise arising by operation of the law, course of dealing, custom, trade or otherwise. Buyer's exclusive remedy if this product is proven to be defective is limited to refund of purchase price by the manufacturer. Refund shall only be available if the buyer notifies manufacturer in writing within thirty days following discovery of any defect. Written notice shall be forwarded to 112 S. Santa Fe Drive, Denver, CO 80223. No claim can be made twelve months after purchase of product. Twelve months after the purchase manufacturer's duties with the respect to the product and limited warranty shall be presumed to have been satisfied. Manufacturer in no event is liable for consequential damages.