

# HEAVY DUTY MASONRY COATING

PRODUCT NO. 1301, 1312

## PRODUCT DESCRIPTION

QUIKRETE® Heavy Duty Masonry Coating is a dry mixture of Portland cement, damp-proofing agents and sand used to seal and beautify concrete, block, brick, stucco, and stone walls.

## PRODUCT USE

QUIKRETE® Heavy Duty Masonry Coating is a powdered, Portland cement based coating designed for use in damp-proofing and beautifying concrete and masonry walls. It adheres to the surface in a manner that allows it to become part of the masonry it covers. It is for use inside or outside, both above and below grade. It will withstand extreme heat, moisture and cold and is suitable for any climate. It is recommended for damp-proofing brick, block, stone and poured-in-place concrete walls.

QUIKRETE® Heavy Duty Masonry Coating is particularly suitable for use on non-uniform colored masonry walls and improperly cured and map cracked concrete walls. It stops moisture, holds back water, seals and beautifies these surfaces:

- Porous masonry concrete
- Rough cement plasters
- Stucco
- Stone
- Brick
- Concrete block

Available in both gray and white, Heavy-Duty Masonry Coating can be colored with QUIKRETE® Stucco & Mortar Color (#1319). This liquid color is available in 20 standard shades.

## SIZES

- QUIKRETE® Heavy Duty Masonry Coating –
  - 20 lb (9.1 kg) pail
  - 40 lb (18.2 kg) bags

## YIELD

- A 20 lb (9.1 kg) pail of QUIKRETE® Heavy Duty Masonry Coating, when mixed thoroughly with the recommended 3 – 3 ½ quarts (2.8 - 3.3 L) of water, will yield 0.23 cu ft (6.5 L) of mix. At a 1/32" (0.8 mm) thickness, this will cover approximately 90 ft<sup>2</sup> (8.4 m<sup>2</sup>)
- A 40 lb (18.2 kg) bag of QUIKRETE® Heavy Duty Masonry Coating, when mixed thoroughly with the recommended 6 - 7 qt (5.7 - 6.6 L) of water, will yield 0.46 cu ft (13 L) of mix. At a 1/32" (0.8 mm) thickness, this will cover approximately 180 ft<sup>2</sup> (16.7 m<sup>2</sup>)

## TECHNICAL DATA

### APPLICABLE STANDARDS

ASTM International

- ASTM C109/C109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)

## DIVISION 7

Cementitious Damp-  
Proofing  
07 11 16



- ASTM C348 Standard Test Method for Flexural Strength of Hydraulic-Cement Mortars

## DAMP-PROOFING

Two coats of Heavy Duty Masonry Coating with Acrylic Fortifier (#8610), added per QUIKRETE® recommendations, complies with the damp-proofing requirements for acrylic modified cement based coatings as listed in ICC - 1805.2

## PHYSICAL/CHEMICAL PROPERTIES

Typical test results for QUIKRETE® Heavy Duty Masonry Coating, when tested in accordance with the applicable ASTM standard test methods, are shown in Tables 1 and 2.

TABLE 1 TYPICAL TEST RESULTS AT A BRUSHABLE CONSISTENCY

Water content	32%
Unit weight	125 lb/ft <sup>3</sup> (2002 kg/m <sup>3</sup> )
Compressive strength, ASTM C109	
1 day	1500 psi (10.3 MPa)
7 days	4000 psi (27.6 MPa)
28 days	5000 psi (34.5 MPa)
Flexural strength, ASTM C348	
1 day	450 psi (3.1 MPa)
7 days	550 psi (3.8 MPa)
28 days	1000 psi (6.9 MPa)

TABLE 2 TYPICAL TEST RESULTS AT A TROWELABLE CONSISTENCY

Water content	27%
Unit weight	130 lb/ft <sup>3</sup> (2082 kg/m <sup>3</sup> )
Compressive strength, ASTM C109	
1 day	3000 psi (20.7 MPa)
7 days	6000 psi (41.4 MPa)
28 days	8000 psi (55.2 MPa)
Flexural strength, ASTM C348	
1 day	550 psi (3.8 MPa)
7 days	650 psi (4.5 MPa)
28 days	1200 psi (8.3 MPa)

## **INSTALLATION**

### **SURFACE PREPARATION**

Prior to application, clean the surface of all loose material, dirt, dust, grease, paint, oil or efflorescence. Any smooth areas should be roughened or etched.

### **MIXING**

Always add the dry mixture to the liquid.

- 20 lb (9.1 kg) pail - Blend 3 - 3.5 qt (2.8 - 3.3 L) of water per 20 lb (9.1 kg) pail
- 40 lb (18.2 kg) bags - Blend 6 - 7 qt (5.7 - 6.6 L) of water per 40 lb (18.2 kg) bag

To achieve greater adhesion to non-porous surfaces and for improved weather resistance:

- 20 lb (9.1 kg) pail - Replace 1 qt (0.95 L) of mix water with 1 qt (0.95 L) of QUIKRETE® Concrete Acrylic Fortifier #8610
- 40 lb (18.2 kg) bags - Replace 2 qt (1.9 L) of mix water with 2 qt (1.9 L) of QUIKRETE® Concrete Acrylic Fortifier #8610

Once Acrylic Fortifier #8610 is incorporated, it must be used in every batch to maintain shade uniformity. For use as a trowelable repair mortar, reduce water content to approximately 5 qt (4.7 L) per bag.

### **APPLICATION**

The entire area should be dampened with water. When applied during hot weather, the walls should be lightly misted several times during the day after QUIKRETE® Heavy Duty Masonry Coating has been

applied to eliminate rapid moisture loss. Application can be by either brush or spray. For added protection, apply a second coat after the first coat has cured for 24 hours.

### **PRECAUTIONS**

- Water quantity, mixing time and curing conditions must be consistent to ensure color uniformity. Product must be used with Concrete Acrylic Fortifier when placed over poured-in place concrete. QUIKRETE® Heavy Duty Masonry Coating is not to be used over previously painted, sealed or waxed surfaces.

### **WARRANTY**

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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*\* Refer to [www.quikrete.com](http://www.quikrete.com) for the most current technical data, MSDS, and guide specifications*



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