



1. Product Name

QUIKRETE® Heavy Duty Masonry Coating #1301 and #1312

2. Manufacturer

The QUIKRETE Companies
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3. Product Description

BASIC USE

QUIKRETE Heavy Duty Masonry Coating is a powdered, Portland cement based coating designed for use in dampproofing 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 dampproofing brick, block, stone and poured-in-place concrete walls.

QUIKRETE Heavy Duty Masonry Coating is particularly suitable for use on nonuniform 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

COMPOSITION & MATERIALS

QUIKRETE Heavy Duty Masonry Coating is a powdered mixture of Portland cement, silica sand and water repellent chemicals designed to provide a water resistant, durable coating.

SIZE

- 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 6 - 7 pints (2.9 - 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 ft² (8.4 m²)

- 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 ft² (16.7 m²)

COLORS

- Gray
- White

Note - Heavy Duty Masonry coating can be colored with QUIKRETE Stucco & Mortar Color (#1319). This liquid color is available in 20 standard shades.

LIMITATIONS

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.

4. 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)
 - ASTM C348 Standard Test Method for Flexural Strength of Hydraulic Cement Mortars

TABLE 1 TYPICAL TEST RESULTS AT A BRUSHABLE CONSISTENCY

Water content	32%
Unit weight	125 lb/ft ³ (2003 kg/m ³)
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)



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DAMPPROOFING

Two coats of Heavy Duty Masonry Coating with Acrylic Fortifier, added per QUIKRETE recommendations, complies with the dampproofing requirements for acrylic modified cement based coatings as listed in:

- UBC - 1823.3
- SBCCI - 1814.3.4
- BOCA - 1813.3.2.2
- ICC - 1806.2

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.

5. Installation

PREPARATORY WORK

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.

TABLE 2 TYPICAL TEST RESULTS AT A TROWELABLE CONSISTENCY

Water content	27%
Unit weight	130 lb/ft ³ (2083 kg/m ³)
Compressive strength, ASTM C109	
1 day	3000 psi (20.7 MPa)
7 days	6000 psi (41.3 MPa)
28 days	8000 psi (55.1 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)



MIXING

Always add the dry mixture to the liquid.

- 20 lb (9.1 kg) pail - Blend 3 - 3.5 qt (2.9 - 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, roller or spray. To achieve a greater waterproofing protection on porous surfaces, a 2-coat application is recommended. Apply the second coat 24 hours after the first.

6. Availability

QUIKRETE Heavy Duty Masonry Coating is available at leading concrete construction supply houses and distributors. Contact QUIKRETE Construction Products for the name of the nearest dealer.

7. 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.

8. Maintenance

None required.

9. Technical Services

The QUIKRETE Companies maintain technical field representatives throughout the country. Contact a local distributor for the name and number of the nearest representative or call QUIKRETE Construction Products.

10. Filing Systems

Additional product information is available from the manufacturer.