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
- Brick
- Stone
- 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

**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 1: TYPICAL TEST RESULTS AT A BRUSHABLE CONSISTENCY**

| Water content | 32% |
| Unit weight | 125 lb/ft³ (2003 kg/m³) |
| 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/ft³ (2083 kg/m³) |
| 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) |
| Rhexural strength, ASTM C348 |
| 1 day | 550 psi (3.8 MPa) |
| 7 days | 650 psi (4.5 MPa) |
| 28 days | 1200 psi (8.3 MPa) |

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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 or spray. For added protection, apply a second coat after the first coat has cured for 24 hours.

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.