

PORTLAND CEMENT

PRODUCT NO. 1124-31, -42, -47, -94
1125-47, -94

DIVISION 3

03 05 00 Cement

PRODUCT DESCRIPTION

QUIKRETE® Portland Cement is a high quality portland cement meeting ASTM C150 or ASTM C595 specifications.

PRODUCT USE

QUIKRETE® Portland Cement is used for making high strength repair mortars, concretes and for any other applications requiring portland cement meeting ASTM specifications. Consult your supplying plant to confirm compliance with ASTM C150 or ASTM C595.

SIZES

- 31 lb (14 kg) bags
- 40 kg (88 lb) bags
- 47 lb (21.3 kg) bags
- 42 kg (92.5 lb) bags
- 94 lb (42.6 kg) bags
- Available in Bulk, contact local plant for details

YIELD

Yield depends on application. For concrete mixes, five to six 94 lb (42.6 kg) bags of QUIKRETE® Portland Cement is typically used with appropriate proportions of sand and gravel to produce 1 yd³ (0.76 m³) of concrete.

TECHNICAL DATA

APPLICABLE STANDARDS

- ASTM C33 Standard Specification for Concrete Aggregates
- ASTM C91 Standard Specification for Masonry Cement
- ASTM C144 Standard Specification for Aggregate for Masonry Mortar
- ASTM C150 Standard Specification for Portland Cement
- ASTM C207 Standard Specification for Hydrated Lime for Masonry Purposes
- ASTM C595 Standard Specification for Blended Hydraulic Cements
- ASTM C897 Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters

TYPICAL MIX DESIGNS

QUIKRETE® Portland Cement can be used as a component of a variety of construction materials. Typical mix designs (by volume) for some applications are listed below:

Concrete Mix

- 1 Part QUIKRETE® Portland Cement
- 2 Parts QUIKRETE® All-Purpose Sand (ASTM C33)
- 3 Parts QUIKRETE® All-Purpose Gravel (ASTM C33)

Mortar Mix (Type S, per ASTM C270)

- 1 Part QUIKRETE® Portland Cement
- 1/2 Part Hydrated Lime Type S (ASTM C207)
- 3-1/2 to 4-1/2 Parts Masonry Sand (ASTM C144)

Mortar Mix (Type N, per ASTM C270)

- 1 Part QUIKRETE® Portland Cement
- 1 Part Hydrated Lime Type S (ASTM C207)
- 4-3/4 to 5-3/4 Parts Masonry Sand (ASTM C144)

Scratch and Brown Coat Stucco Mix Blend I (per ASTM C926)

- 1 Part QUIKRETE® Portland Cement
- 1/2 Part Hydrated Lime Type S (ASTM C207)
- 4-1/2 to 6 Parts Plaster Sand (ASTM C897)

Scratch and Brown Coat Stucco Mix Blend II (per ASTM C926)

- 1 Part QUIKRETE® Portland Cement
- 1 Part QUIKRETE® Masonry Cement Type N (ASTM C91)
- 6 to 8 Parts Plaster Sand (ASTM C897)

PRECAUTIONS

- Proper curing techniques should be utilized for each specific application type.
- Protect concrete, mortar, or stucco from freezing for a minimum of 24 hours.
- If color is important, addition rates from batch to batch should be established, and consistency maintained throughout the project.
- For each application type, use the minimum amount of water necessary to achieve the desired consistency. Adding too much water may weaken the product and potentially cause durability issues.

SAFETY

IMPORTANT: Read Safety Data Sheet carefully before using. **WEAR IMPERVIOUS GLOVES**, such as nitrile, mask, and eye protection.

DANGER: Causes severe skin burns and serious eye damage. Prolonged or repeated inhalation of dust may cause lung damage or cancer.

KEEP OUT OF REACH OF CHILDREN

WARRANTY

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of The Quikrete Companies, LLC. © 2022 Quikrete International, Inc.