

RIP RAP

PRODUCT No. 1129-60, -61, -62, -80, & 1134-60, -80

PRODUCT DESCRIPTION

QUIKRETE® Rip Rap is a properly proportioned mixture of portland cement, graded sand, and other approved ingredients that can be packaged in various bags. Examples of the types of bags include biodegradable paper, a fiberglass scrim-reinforced paper, or burlap bags for erosion control applications.

PRODUCT USE

QUIKRETE® Rip Rap construction is suitable for:

- Slopes & Embankments
- Bulkheads
- Riverbanks
- Anchoring underwater cables
- Canals
- Revetment
- Lakefronts
- Dams
- Sea walls
- Culverts

QUIKRETE® Rip Rap benefits include:

- Free form construction technique allows for elimination of forming and finishing procedures
- Attractive finished wall appearance
- Ideal for remote inaccessible locations
- No mixing equipment required

SIZES

- Quikrete® Rip Rap is available in the following weights:
 - 60 lb (27.2 kg) Paper Bag (No. 1129-60)
 - 60 lb (27.2 kg) Burlap Bag (No. 1129-61)
 - 60 lb (27.2 kg) Poly Bag (No. 1129-62)
 - 60 lb (27.2 kg) Scrim Bag (No. 1134-60)
 - 80 lb (36.2 kg) Paper Bag (No. 1129-80)
 - 80 lb (36.2 kg) Scrim Bag (No. 1134-80)
- 80 lb (36.2 kg) approximate bag dimensions (filled): 20-1/2 in (520 mm) by 14 in (355 mm) by 4 in (100 mm) high.
- These are average bag dimensions and will vary due to air content, compression of the bags within the pallet, and other contributing factors. These are not rigid containers of exact dimensions. Product is sold by weight not volume. Final placed bag size will also be impacted based upon substrate and how the product is placed.
- When estimating the quantity of 80 lb (36.2 kg) QUIKRETE® Rip Rap Scrim bags needed for a job, it is critical to realize that the number of cubic feet of material required for a specific job is dependent upon the individual bag dimensions in combination with the project wall dimensions. In every application of concrete in which the concrete is mixed with water before being placed, the “yield” of an 80 lb bag of concrete is not

DIVISION 31

31 37 00 Riprap



dependent upon the dimensions of the bag in which it is packaged. However, in the case of QUIKRETE® Rip Rap, which is placed in the bag, the dimensions of the bag are the primary controlling factor of the final project dimensions. The shape of the QUIKRETE® Rip Rap cannot be significantly altered since it is placed in the bag, unlike concrete which can be poured into a form of essentially any shape. For example, a 2 ft (0.6 m) vertical by 10 ft (3 m) wide wall is roughly 6 bags high by 6 bags wide, using the 80 lb (36.2 kg) bags.

INSTALLATION

1. Outline the area to be excavated. Remove all grass, roots, and other organic matter. Dig to a depth of 6 inches (150 mm) and bring the base of the trench to a uniform grade.
2. Place the first tier of bags end-to-end. Stack succeeding tiers in an interlocking fashion or running bond pattern.
3. Thoroughly soak and tamp each layer of bags. Perforating the bags with a pitchfork or metal rake will speed saturation and initial set.
4. To increase the strength of the wall, 3/8 inch (9.5 mm) steel rebar “staples” or straight rebar can be driven into the bags.

Slope and Embankment Erosion Control:

When using QUIKRETE® Rip Rap on a slope, bags should be placed in a stair-step fashion, setting back succeeding rows to the full height of the slope at a minimum of 45° from vertical. Place bags in a running bond pattern with ends butted together and corners interlocking. Anchor each bag to the slope with a 3/8 inch (9.5 mm) rebar and back fill with dirt to assure a solid bank. The use of geo-grid fabric will improve the stability of the installation.

PRECAUTIONS

QUIKRETE® Rip Rap is not intended for un-reinforced vertical walls higher than 2 ft (0.6 m), vertical walls can be extended to 10 ft (3 m) and higher with a proper engineering design. Installations over 2 ft (0.6 m) typically required metal stakes to secure the first layer to the ground, metal staples and horizontal metal ties into the vertical soil mass.

Not intended for use for building foundations, structural or free-standing walls.

SAFETY

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

DANGER: Causes sever 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. © 2021 Quikrete International, Inc.