

# RIP RAP

PRODUCT NOS. 1129-60, -61, -62 & -80; 1134-80

## DIVISION 02

Erosion Control  
02 37 0

### PRODUCT DESCRIPTION

QUIKRETE® Rip Rap is a commercial grade blend of graded sand and Portland cement, packaged in scrim-reinforced, biodegradable paper bags for erosion control applications.

### PRODUCT USE

QUIKRETE® Rip Rap construction is suitable for:

- Slopes & Embankments
- Bulkheads
- River Banks
- Anchoring Underwater Cables
- Canals
- Revetment
- Lake Fronts
- 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

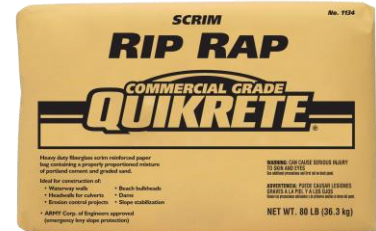
- QUIKRETE® Rip Rap
  - 80 lb (36.3 kg) Paper bags (No.1129-80)
  - 60 lb (27.2 kg) Paper bags (No.1129-60)
  - 60 lb (27.2 kg) Burlap bags (No.1129-61)
  - 60 lb (27.2 kg) Poly bags (No.1129-62)
  - 80 lb (36.3 kg) Scrim bags (No.1134-80)
- 80 lb (36.3 kg) bag dimensions (filled): **Approximately** 5" high and 20" long. A 2-foot vertical by 10-foot wide wall is *roughly* 5 bags high by 6 bags wide.

### INSTALLATION

**WEAR IMPERVIOUS GLOVES**, such as nitrile, when handling bags.

#### Dams and Bulkheads:

1. Outline the area to be excavated. Remove all grass, roots and other organic matter. Dig to a depth of 6" 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" 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 3/8" 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

- **WEAR IMPERVIOUS GLOVES**, such as nitrile, when handling bags.
- QUIKRETE® Rip Rap is not intended for un-reinforced vertical walls higher than 2 feet. Vertical walls can be extended to 10 feet and higher with proper engineering design. Installations over 2 feet typically require metal stakes to secure the first layer to the ground, metal staples and horizontal metal ties into the vertical soil mass.
- Bags **must** be placed end-to-end, not side-to-side.
- **Not intended for use for building foundations, structural or free-standing walls.**

**NOTICE OF LIMITED WARRANTY:** The QUIKRETE® Companies, Inc. warrant this product to be of merchantable quality when used or applied in accordance with the instructions hereon. This 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) if 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, Inc. in writing at: One Securities Centre, 3490 Piedmont Road, Suite 1300, Atlanta, GA 30305. **THIS WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.**