



## Portland-Lime Cement

No. 1125-21

### PRODUCT DESCRIPTION

**Basic Use:** Blended with from 2.25 to 3 parts of Masonry Sand to produce Type N or S Masonry Mortars. Use wherever a Type N or S Portland/lime masonry mortar is specified. QUIKRETE® Portland-Lime Cement can be used to prepare masonry mortars complying with the proportions specifications for Type N masonry mortars or the property specifications for ASTM C 270 Type S or N. A typical mix design for Type S masonry mortar would be to blend the product with about 2.5 parts of masonry sand.

**Caution:** In order to comply with ASTM C 270 property specifications, the mortar must be tested using the sand to be used on the job. For added convenience QUIKRETE® sells a packaged masonry mortar, Mason Mix (#1136) which contains the correct amount of masonry sand and has already been tested to comply with ASTM C 270 Type S.

**Limitations:** Not to be used alone. Must be blended with from 2.25 to 3 parts of properly graded sand. Not to be used for high strength repair mortars or concrete.

**Composition and Materials:** QUIKRETE® Portland-Lime Cement is a properly proportioned blend of Portland cement and Type S hydrated lime for making masonry mortars with Type N proportions.

**Yield:** Yield will vary with mix design. Product is to be blended with from 2.25 to 3 parts of masonry sand.

The following example is based on using 2.25 parts of sand:

Mix one bag of QUIKRETE® Portland/Lime Cement with three 60 lb (27.2 kg) bags of QUIKRETE® Mason Sand (#1952), or 2.25 cu. ft. (0.064m<sup>3</sup>) of damp masonry sand and water. Yield will be about 2.25 cu. ft. (0.064m<sup>3</sup>) of freshly mixed mortar. This amount of mortar will

lay up to 125 standard bricks or 47 standard block.

**Sizes:** 70 lb (31.8 kg)

**Color:** gray

### TECHNICAL DATA

The components in QUIKRETE® Portland/Lime Cement comply with ASTM C 150 for Type I Portland cement and ASTM C 207 for Type S hydrated lime. When properly blended with 2.25 to 3 parts of mason's sand complying with ASTM C 144, a masonry mortar is produced which will comply with the proportion requirements of ASTM C 270 for Type N masonry mortars.

Also can be used to meet the property requirements for Type S or Type N masonry mortars. If property specifications for either Type S or Type N are to be met, the proposed mix design must be tested with the sand to be used on the job to show compliance with the specification prior to use.

### INSTALLATION

**Before Application:** Surfaces to receive masonry mortar should be dry or damp and clean and free of dirt loose debris, grease, oil or any other material which would reduce the bond of the mortar to the masonry unit.

**Mixing:** Add appropriate amount of clean potable water to an appropriate sized mortar mixer (water content will vary with design). Add one bag of QUIKRETE® Portland/Lime Cement and three or four 60 lb (27.2 kg) bags of QUIKRETE® Mason Sand (#1952) or 2.25 to 3 cu. ft. (0.085m<sup>3</sup>) of damp masonry sand. Mix for about 3-5 minutes adding additional water as needed to get the proper consistency.

**Temperature:** Do not use Masonry mortar at temperatures below 40°F (4.4°C) or if the

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temperature is expected to fall below freezing within 48 hr.

**Installation:** Apply a full bed of mortar onto the base, approximately ¼" to ¾" (6-19 mm) thick. Push downward into the mortar bed and sideways against the previously laid block with a slight twisting motion. Tool the mortar joints when they become "thumb print" hard. This will make the mortar joint watertight and provide a neat appearance.

**Curing:** Curing of masonry mortars is required only if conditions are very hot, dry, or windy. In such cases, a gentle mist of water applied to the surface will prevent premature drying and improve the strength of the mortar.

**Cleaning:** Exercise caution to keep the walls as clean as possible during construction. A mild cleaning solution designed for masonry cleaning may be used with caution as necessary. If cleaning solution is used, the wall should be allowed to cure thoroughly before cleaning. Adequate water must be available for thorough presoaking and rinsing of the surface. Any cleaning solution should be tested on a small sample area prior to use throughout the project. Use cleaning solutions in strict accordance with manufacturer's instructions.

### **Warranty**

The QUIKRETE® Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions 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 at Atlanta, GA 30305. The limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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