



CEMENT & CONCRETE PRODUCTS™

# VINYL CONCRETE PATCHER

PRODUCT NO. 1133-09, -11, -12, -17, -20, -40

**DIVISION 3**

03 01 00 Maintenance of Concrete

## PRODUCT DESCRIPTION

QUIKRETE® Vinyl Concrete Patcher is a durable, high strength, multi-purpose concrete repair material for thin repairs to chipped, cracked, or flaking concrete surfaces. QUIKRETE® Vinyl Concrete Patcher is a uniform blend of graded sand, portland cement, an exterior grade vinyl resin, and other approved ingredients.

## PRODUCT USE

QUIKRETE® Vinyl Concrete Patcher is designed to make thin repairs to spalled, cracked, or pitted concrete floors, driveways, sidewalks, steps, or any other horizontal concrete surface. QUIKRETE® Vinyl Concrete Patcher is a very versatile product that can be used indoors or outdoors, is easy to apply, and can be troweled to a feather edge of 1/16 inch (1.6 mm) on damaged concrete surfaces. It has good durability and toughness. It bonds excellently to clean, structurally sound concrete without the need for a bonding agent. QUIKRETE® Vinyl Concrete Patcher has excellent resistance to ultraviolet light and heat and has good color retention. No additional bonding agent or additive is should be used with this product. QUIKRETE® Vinyl Concrete Patcher complies with the compressive strength requirements of ASTM C387.

## SIZES

QUIKRETE® Vinyl Concrete Patcher is available in:

- 10 lb (4.5 kg) pails
- 20 lb (9 kg) pails
- 40 lb (18.1 kg) bags

## YIELD

- A 10 lb (4.5 kg) pail will cover multiple applications for a total of 8.5 ft<sup>2</sup> (0.79 m<sup>2</sup>) at 1/8 inch thickness
- A 20 lb (9 kg) pail will cover multiple applications for a total of 17 ft<sup>2</sup> (1.6 m<sup>2</sup>) at 1/8 inch thickness
- A 40 lb (18.1 kg) bag will cover multiple applications for a total of 34 ft<sup>2</sup> (3.1 m<sup>2</sup>) at 1/8 inch thickness

## TECHNICAL DATA

### APPLICABLE STANDARDS

- ASTM C387 Standard Specification for Packaged, Dry, Combined Materials for Concrete and High Strength Mortar
- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2 in. or [50-mm] Cube Specimens)

## PHYSICAL/CHEMICAL

Typical results obtained for QUIKRETE® Vinyl Concrete Patcher, when tested in accordance with the referenced ASTM test methods, are shown in Table 1.



**TABLE 1 TYPICAL PHYSICAL PROPERTIES**

| Compressive Strength, ASTM C109 |             |
|---------------------------------|-------------|
| Age                             | PSI (MPa)   |
| 7 days                          | 3000 (20.6) |
| 28 days                         | 5000 (34.4) |

## INSTALLATION

### SURFACE PREPARATION

Remove all unsound concrete from the area to be repaired. Wear proper personal protective equipment. Using the tip of a trowel, pry up any loose pieces of flaking or cracked concrete. Vigorously remove any crumbling concrete with a wire brush. Smooth surfaces must be roughened. Do not apply over painted surfaces. Using a brush, remove all loose particles and dust from the area to be patched. Clean the area with QUIKRETE Concrete and Asphalt Cleaner (No. 8601), then rinse with water.

### MIXING

Use approximately 10 fl oz (295 mL) of potable water per 5 lb (2.2 kg) of QUIKRETE® Vinyl Concrete Patcher and mix thoroughly. If more water is needed to obtain a firm workable mix, add small amounts at a time and continue to mix until the desired consistency is achieved. Adding excessive amounts of water will negatively impact the performance of the product.

### APPLICATION

Dampen the repair area with clean water. Remove any standing water. Apply the mix with a steel or rigid plastic trowel. Using heavy trowel pressure, force a thin layer onto the surface of the repair. Overfill the depression slightly and smooth to match the surrounding concrete. For deep repairs on vertical surfaces it may be necessary to apply in 1/4 inch (6.3 mm) layers. Allow 2 hours drying between layers. Keep the trowel clean to prevent sticking. Do not add water to re-temper a mix that has initially set. Clean tools immediately with water, before material hardens.

## **CURING**

Under hot, dry, or windy conditions, keep the patch moist for 24 hours by covering with polyethylene film. Product will support foot traffic in 1 day. Allow 3 days for wheeled traffic.

## **PRECAUTIONS**

- Apply only with temperatures will be above 40 °F (4 °C) for 24 hours.
- QUIKRETE® Vinyl Concrete Patcher is not intended for use as a coating or over large areas (must be less than 2 ft<sup>2</sup> (0.19 m<sup>2</sup>). For resurfacing large areas of worn or scaling concrete surfaces use QUIKRETE® Re-Cap Concrete Resurfacer (No. 1131-47) or QUIKRETE® Sand/Topping Mix (No. 1103) with QUIKRETE® Concrete Acrylic Fortifier (No. 8610) added.
- Do not use in cracks less than 1/8 inch (3.2 mm) wide or in expansion or control joints.
- Mix only with potable water.
- Do not use QUIKRETE® Concrete Acrylic Fortifier (No. 8610), QUIKRETE® Concrete Bonding Adhesive (No. 9902), or other bonding agents with QUIKRETE® Vinyl Concrete Patcher.
- When making repairs, good color matching can be difficult. In most cases, concrete repair materials will not be an exact color match to surrounding concrete. Trial a small amount of QUIKRETE® Vinyl Concrete Patcher in an inconspicuous area and allow it to cure before evaluating color and overall appearance.
- This material is reactive and may degrade unpainted aluminum.

## **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](http://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.