

# POLYURETHANE CONSTRUCTION ADHESIVE

PRODUCT NO. 9902-10

**DIVISION 7**  
 Joint Sealant  
 07 92 00

## PRODUCT DESCRIPTION

QUIKRETE® Polyurethane Construction Adhesive is a one-component, fast-curing, flexible material providing a durable elastic bond.

## PRODUCT USE

QUIKRETE® Polyurethane Construction Adhesive is suitable for bonding materials which have dissimilar coefficients of expansion.

QUIKRETE® Polyurethane Construction Adhesive has excellent adhesion to concrete, masonry, stucco, pre-painted metal, glass, plywood, aluminum, steel and many plastics and composites. Typical applications include:

- Repairing broken concrete
- Fastening wood panels to drywall, concrete or masonry

## SIZES

QUIKRETE® Polyurethane Construction Adhesive is available in 10.1 oz (300 ml) tubes

## YIELD

Each 10.1 oz (300 ml) tube can be applied to approximately 12 lineal feet (3.7 m) in a 3/8" (10 mm) bead

## TECHNICAL DATA

QUIKRETE® Polyurethane Construction Adhesive meets ASTM C 920, Type S, Grade P, Class 25, Use T, M, G, A, O; Federal Specification TT-S-00230C, Type I, Class A; CSA CAN/CGSB 19.13-M87. Meets California Air Resources Board 2008 requirements for volatile organic compound (VOC) content.

QUIKRETE® Polyurethane Construction Adhesive, when tested in accordance with standard procedures, provides typical results as listed in Table 1.

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Tack-Free Time at 75°F (24°C), 50% RH	90 Minutes
Cure Time at 68°F (20°C), 50% RH	> 1/8" (3 mm) per 24 hours
Durometer Hardness, Shore A	50
Ultimate Tensile Strength	200 psi (1.4 MPa)
Elongation	>700%
Modulus @ 100% Elongation	100 psi (0.7 MPa)
Sag or Slump	Nil

## INSTALLATION

*NOTE: It is recommended that gloves be worn during application.*



*QUIKRETE® Polyurethane Construction Adhesive is difficult to remove from skin and clothing. If adhesive gets on skin, immediately wipe off with a dry cloth.*

## APPLICATION

Remove dirt, oil, moisture and/or old adhesive. Sand or grind if necessary to expose a sound surface. Cut plastic tip to desired size and puncture airtight seal at base of tip. Using a caulk gun, apply caulking to one of the surfaces to be bonded. Force adhesive into gaps or cracks and smooth bead to desired shape. Be certain to fill all gaps when working on rough surfaces. QUIKRETE® Polyurethane Construction Adhesive will bridge gaps up to 3/8" (9 mm) wide. It may be necessary to use mechanical fasteners to hold the surfaces in place until the adhesive is fully cured.

## CLEANING

Tools and excess adhesive should be cleaned while product is still uncured, using a commercial solvent such as xylene or toluene. Wear appropriate gloves when handling solvents. Cured adhesive must be removed by mechanical means such as a razor knife.

## CURING

QUIKRETE® Polyurethane Construction Adhesive will be tack-free in 90 minutes at 75°F (24°C) and 50% relative humidity, and fully cured in 5-8 days. Low humidity, cooler temperatures and non-porous substrates will lengthen these times.

## PRECAUTIONS

Apply between 40°F (5°C) and 95°F (35°C). Service temperature (after placing) -40°F to 195°F (4°C– 91°C). When stored in the original, unopened containers between 40°F (4°C) and 75°F (24°C), QUIKRETE® Polyurethane Construction Adhesive has a shelf life of approximately 12 months from the date of manufacture. Wear gloves. Read MSDS at [www.quikrete.com](http://www.quikrete.com)

**WARRANTY**

The QUIKRETE® Companies warrant this product to be of merchantable quality when used 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. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

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*\* Refer to [www.quikrete.com](http://www.quikrete.com) for the most current technical data, MSDS, and guide specifications*

