

# ADVANCED POLYMER CONSTRUCTION ADHESIVE

PRODUCT NO. 9902-10

**DIVISION 7**

Joint Sealant  
07 92 00

## PRODUCT DESCRIPTION

QUIKRETE® Advanced Polymer Construction Adhesive is a superior, one-component, permanently flexible, multipurpose adhesive.

## PRODUCT USE

QUIKRETE® Advanced Polymer Construction Adhesive is a high strength advanced polymer adhesive. The product's unique formula offers excellent adhesion to a wide range of industrial materials. QUIKRETE® Advanced Polymer Construction Adhesive is UV resistant and adheres to sheet metal, steel, pre-painted metals, concrete, brick, masonry, wood, glass, vinyl, and most plastics. QUIKRETE® Advanced Polymer Construction Adhesive is ready-to-use and cures upon contact with the moisture in the air.

QUIKRETE® Advanced Polymer Construction Adhesive may be used for:

- Repairing broken concrete
- Fastening wood panels to drywall, concrete or masonry
- Environmentally friendly – solvent free & isocyanate-free

## SIZES

QUIKRETE® Advanced Polymer Construction Adhesive is available in gray 10 oz (295 mL) tubes.

## YIELD

10 oz (295 mL) tube will cover approximately 13 linear feet (3.9 m) at 3/8 in (9.5 mm) bead.

## TECHNICAL DATA

QUIKRETE® Advanced Polymer Construction Adhesive meets performance requirements of ASTM C 920, Type S, Grade NS, Class 25, Use T, NT, A, G, and M; TT-S-0230C, Type II, Class A; CSA CAN/CGSB19.13-M87. Meets VOC requirements in all regions.

QUIKRETE® Advanced Polymer 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 77°F (25°C), 50% RH	60 minutes
Cure Rate at 77°F (25°C), 50% RH	¼ in (6.3 mm) at 24 hours
Dynamic Joint Movement	+/- 25%
Durometer Hardness, Shore A	35 to 45
Ultimate Tensile Strength	215 psi (1.4 MPa)
Elongation	300% to 400%

## INSTALLATION

**NOTE:** It is recommended that impervious gloves - such as nitrile be worn during application. QUIKRETE® Advanced Polymer Construction Adhesive is difficult to remove from skin and clothing. If adhesive gets on skin, immediately wipe off with a dry cloth. Use only in well-ventilated, exterior areas. Before handling read Safety Data Sheet at [www.quikrete.com](http://www.quikrete.com).

## APPLICATION

### SURFACE PREPARATION

The key to long-term adhesive performance is proper substrate preparation. The substrate must be clean, frost free, sound and free of any oils, greases, or incompatible sealers, paints or coatings that may interfere with adhesion and good joint performance.

Porous surfaces should be cleaned of dirt, dust, loose debris and other potential bond breakers. Mechanical methods, such as wire brushes, grinders, etc. may be required to remove surface contamination, debris and failed sealants such as in re-caulking applications. Make sure to wear proper personal protection equipment when sanding or grinding.

## **METHOD OF APPLICATION**

Avoid applying sealants below 40 °F (4 °C) unless following specific instructions for cold weather caulking. Also avoid applying sealants in ambient conditions where threat of rain is imminent. If ambient temperatures exceed 85 °F (29 °C) and particularly when substrates will be exposed to direct sunlight, check surface temperatures to be sure they don't exceed the maximum application temperature of 95 °F (35 °C). Remove nozzle by twisting counterclockwise. Cut the tip of the tube without removing any of the threads for the nozzle. Reattach the nozzle and cut the tip of the nozzle to the desired size. Using a caulk gun, make sure to fill all gaps when working on rough surfaces.

## **VOC Content**

9 g/L

## **CLEAN UP**

### **Remove from skin or tools immediately.**

Cured material is very difficult to remove. May use rubbing alcohol cautiously on skin. Uncured material can be removed from tools and surfaces with solvents such as alcohol, citrus removers or nail polish remover. Employ solvents cautiously; solvents are flammable; follow with soap and water as appropriate. Cured material may be removed mechanically. Avoid contact with strong acids and oxidizers.

## **CURING**

Allow adhesive to cure for a minimum of 2 hours before painting with a water-based latex paint and to cure for a minimum of 3 days before removing mechanical fasteners. Allow 7 days to cure for temporary water immersion applications. Typical full cure in 3 to 7 days. Low humidity, cooler temperatures, and non-porous substrates will lengthen these times.

## **PRECAUTIONS**

**WEAR IMPERVIOUS GLOVES**, such as nitrile, and eye protection.

Service Temperature: -90 °F (-68 °C) to 425 °F (218 °C)

Application Temperature: 40 °F (4 °C) to 95 °F (35 °C)

Storage Temperature: 40 °F (4 °C) to 75 °F (24 °C)

Do not apply over silicones or other existing sealants. Do not apply to frozen surfaces. Avoid contact with alcohol and solvents during cure. Avoid contact with strong acids and alkalis. Do not apply if rain is expected before adhesive has partially cured. Wash skin and hands after use. Not recommended for aquariums and marine applications. Read SDS @ [www.quikrete.com](http://www.quikrete.com).

## **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 under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.

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

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