ADVANCED POLYMER SELF-LEVELING SEALANT

PRODUCT NO. 8660-10

DIVISION 7

07 92 00 Joint Sealant

PRODUCT DESCRIPTION

QUIKRETE® Advanced Polymer Self-Leveling Sealant is a superior, self-leveling, one-component, permanently flexible, multipurpose sealant.

PRODUCT USE

QUIKRETE® Advanced Polymer Self-Leveling Sealant is a non-shrink weather-resistant, high performance advanced polymer sealant formulated to fill cracks and joints in concrete, in interior or exterior areas up to 1 inch (25 mm) in width. QUIKRETE® Advanced Polymer Self-Leveling Sealant is UV resistant and adheres to concrete, brick, masonry, wood, glass, vinyl, and most plastics. QUIKRETE® Advanced Polymer Self-Leveling Sealant is ready-to-use and cures upon contact with the moisture in the air to form a durable flexible seal.

QUIKRETE® Advanced Polymer Self-Leveling Sealant may be used for:

- Sealing & Waterproofing horizontal control joints or expansion joints in sidewalks, driveways, industrial floors, parking decks, etc.
- A variety of general-purpose joint sealing applications
- Environmentally friendly, solvent & isocyanate-free

SIZES

- QUIKRETE® Advanced Polymer Self-Leveling Sealant is available in gray 10 oz (295 mL) tubes.

YIELD

- 10 oz (295 mL) tube will fill approximately 12 linear feet (3.6 m) in a 1/2 inch (13 mm) wide by 1/4 inch (6.3 mm) deep joint.

TECHNICAL DATA

QUIKRETE® Advanced Polymer Self-Leveling Sealant meets performance requirements of

- ASTM C920, Type S, Grade P, Class 25, Use T_1, NT, A, G, and M
- Federal Specification TT-S-0230C, Type I, Class A
- CSA CAN/CGSB 19.13-M87
- Meets VOC requirements in all locations

PHYSICAL/CHEMICAL

QUIKRETE® Advanced Polymer Self-Leveling Sealant, when tested in accordance with standard procedures, provides typical results as listed in Table 1.

INSTALLATION

NOTE: *It is recommended that impervious gloves – such as nitrile be worn during application. QUIKRETE® Advanced Polymer Self-Leveling Sealant is difficult to remove from skin and clothing. If sealant 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.*

SURFACE PREPARATION

The key to long-term sealant 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.

JOINT DESIGN

A thin bead of sealant will accommodate more movement than a thick bead. Working joint depths should never exceed ½ inch (13 mm) or be thinner than 1/4 inch (6.3 mm). The ratio of joint width to depth should be 2 to 1. Joints should be designed or cut to work well within the movement capability of the sealant allowing for erection and installation tolerances, time of year of installation and sealant movement capability. QUIKRETE® Backer Rod (No. 6917) should be used depending on application, to prevent three-sided adhesion and to prevent joint depths from exceeding ½ inch (13 mm). If joint depth does not allow for backer rod installation, use polyethylene bond breaker tape.

APPLICATION

WEAR IMPERVIOUS GLOVES, such as nitrile when handling product.

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). Mask adjacent surfaces to be sealed if necessary, to ensure neat sealant lines and minimize clean up. Avoid placing masking in areas to be sealed. Remove masking immediately after placing sealant. 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, dispense sealant with the nozzle near the bottom of the joint to avoid trapping air during placement.

CURING

Allow sealant 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 exposing to traffic. 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
- Avoid joints that are too deep
- Joints between non-porous substrates require slightly longer cure-through time depending on surface area
- Do not apply if rain is expected before sealant has partially cured
- Wash skin and hands after use
- Not recommended for aquariums and marine applications
- Read SDS @ www.quikrete.com

WARRANTY

NOTICE: Obtain the applicable **LIMITED WARRANTY** at 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.

TABLE 1 TYPICAL PHYSICAL PROPERTIES

Tack-Free Time at 77 °F (25 °C), 50% RH	60 minutes
Cure Rate at 77 °C (25 °C), 50% RH	1/8 inch (3 mm) per 24 hours
Flow	Self-Levels
Dynamic Joint Movement	+/- 25%
Durometer Hardness, Shore A	20 to 30
Ultimate Tensile Strength	230 psi (1.5 MPa)
Elongation	400% to 500%