



THE EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD • Cleveland, OH 44110
(216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596
www.euclidchemical.com

EUCO QWIKjoint 300

HIGH PERFORMANCE POLYUREA FLOOR JOINT FILLER AND JOINT REPAIR MATERIAL

EUCO QWIKjoint 300 is a fast-setting, semi-rigid polyurea used for both initial filling and repair of control and construction joints in concrete floors. EUCO QWIKjoint 300 has been formulated for fast strength development and exceptional durability, making it especially suited for filling wide and deep joints. EUCO QWIKjoint 300 supports and protects joint edges from heavy loads and wheel traffic, eliminating spalling of the joint edges.

PRIMARY APPLICATIONS

- Concrete construction and control joints
- Repair and filling of wide and deep floor joints
- Crack repair
- Industrial and commercial floors
- Freezer floors

FEATURES AND BENEFITS

- Fast setting formula reduces downtime
- Reduced staining of adjacent concrete due to overfilling
- No bubbles - no foaming when used in damp joints
- Can be used in wide joints and cracks
- Suitable for filling cracks in older floors to reduce the rate of joint deterioration
- Will cure in temperatures as low as -20° F (-29°C)

SPECIFICATIONS AND COMPLIANCES

- EUCO QWIKjoint 300 meets ACI 302 performance recommendations regarding control and construction joints
- USDA compliant

PACKAGING AND YIELD

EUCO QWIKjoint 300 is a two-part product packaged in 10 gal (37.9 liter) kits, which include a 5 gallon (18.9 L) pail of Part A and 5 gallon (18.9 L) pail of Part B. The mix ratio is 1:1. A 10 gal (37.9 L) kit yields 2,310 in³ (37,861 cm³) of material.

Shelf Life: 1 year in original, unopened package.

TECHNICAL INFORMATION

Typical Engineering Data

Gel Time	50-60 seconds
Tack free time @70°F (23°C)	1-3 minutes
Light Traffic @70°F (23°C)	15 minutes
Full Traffic @70°F (23°C)	30 minutes
Tensile Strength ASTM D-412	1000 psi (6.9 MPa)
Elongation ASTM D-412	300-350%
Tensile Modulus ASTM D-412	800 psi (5.5 MPa)
Shore D Hardness ASTM D-2240	40
Shore A Hardness ASTM D-2240	90

CHEMICAL RESISTANCE

Acetic Acid, 5%.....	excellent
Alcohol, 10%.....	excellent
Alkalies.....	excellent
Ammonium Hydroxide, 10 %.....	excellent
Brake Fluid.....	good
Diesel Fuel.....	excellent
Ethylene Glycol.....	good
Gasoline.....	excellent
Hydrochloric Acid, 20%.....	excellent
JP-4 Jet Fuel.....	excellent
Motor Oil.....	excellent
Salt Water.....	excellent
Sodium Hydroxide, 10%.....	excellent
Sulfuric Acid, 10%.....	good
Xylene.....	poor

RATINGS

- Poor** - affected within 24 hours
- Good** - no effect for 24 hours
- Excellent** - no effect after 2 weeks.

APPEARANCE

EUCO QWIKjoint 300 is available in gray color only. Part A is transparent amber and the Part B is pigmented gray. When the two parts are mixed together, the result is a gray color similar to concrete. The user should expect some batch to batch variability in color. Product may discolor over time if exposed to either natural or artificial ultraviolet light.

DIRECTIONS FOR USE

Surface Preparation- The joint must be clean and dry. All oil, dirt, debris, paint and any other material that may be a bond breaker must be removed. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

All joint facings must possess an open surface texture with all curing compounds and sealers removed.

If this product will be used for filling floor cracks, the cracks should be routed out and cleaned before filling. Ideally, all edges will be squared.

Joint Backing - The Euclid Chemical Company recommends the full depth of the joint or crack be filled with EUCO QWIKjoint 300 for proper load transfer. EUCO QWIKjoint 300 requires sufficient joint sidewall area contact to function properly. Avoid the use of backer rod, sand or other fill material for the purpose of reducing volume. Sand or other material may be used to seal the crack at the bottom of the joint.

Priming - EUCO QWIKjoint 300 does not require a primer before application.

Mixing - Due to its extremely fast set time, EUCO QWIKjoint 300 requires machine mixing and placing. **Pre-mix Part B separately before using.** Follow mechanical pump manufacturer's equipment instructions for operation. If storing QWIKjoint 300 in pump reservoirs overnight, place a sheet of plastic sheeting directly on top of the Part A and Part B liquid to prevent contact with air.

Placement - Euclid Chemical recommends full depth placement. Joints should be overfilled and shaved even with the surrounding joint edge giving the floor joints a flat, smooth appearance. Shaving of excess EUCO QWIKjoint 300 can begin approximately 30 minutes after placement, and up to 6 hours later, depending on jobsite conditions such as the concrete and ambient temperatures.

CLEAN-UP

Tools, equipment and general clean-up can be done with EUCO SOLVENT, xylol or toluene. Clean before EUCO QWIKjoint 300 has cured.

PRECAUTIONS/LIMITATIONS

- **Based on ACI 302 recommendations, joint fillers should be applied as late as possible after construction to allow for minimal additional slab shrinkage. Consult ACI 302 comments regarding concrete shrinkage, joint filling and user expectations.**
- Proper joint design will affect performance.
- Do not use EUCO QWIKjoint 300 as an expansion joint sealant. Do not use in large movement (expansion/isolation) joints.
- Contact surfaces must be clean and dry for best adhesion.
- To ensure proper adhesion, joint edges must be thoroughly cleaned prior to filling, particularly if a floor sealer has been applied.
- For proper adhesion, concrete must be a minimum of 28 days old.
- Product is designed for use in joints with minimal movement.
- Product may discolor in direct sunlight or artificial light.



EUCO QWIKjoint 300 2.07

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.