

EUCO QWIKJOINT 300

HIGH PERFORMANCE POLYUREA FLOOR JOINT FILLER AND JOINT REPAIR MATERIAL

DESCRIPTION

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/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 deterioration
- Cures at ambient temperatures as low as -20° F (-29°C)

TECHNICAL INFORMATION

Typical Engineering Data

Gel Time	50 to 60 seconds
Tack free time @70°F (23°C)	1 to 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 to 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

Appearance: 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. Note: 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.

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.

PACKAGING

EUCO QWIKjoint 300 is a two part product packaged in 10 gal (37.9 L) kits, which include a 5 gal (18.9 L) pail of Part A and 5 gal (18.9 L) pail of Part B and in 22 oz (600 mL) side-by-side cartridges, packaged 12 per case. 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.



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

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SPECIFICATIONS/COMPLIANCES

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

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 wrap 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 or acetone. 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.**
- EUCO QWIKjoint 300 material and all application equipment should be kept at ambient temperatures of 50°F (10°C) or above.
- Do not use EUCO QWIKjoint 300 as an expansion or isolation joint sealant.
- 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 or densifier has been applied.
- For proper adhesion, concrete should 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.
- In all cases, consult the Material Safety Data Sheet before use.

Rev. 2.10

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