



EUCLID CHEMICAL

# EUCO QWIKJOINT 200

## POLYUREA FLOOR JOINT FILLER

### DESCRIPTION

**EUCO QWIKJOINT 200** is a fast-setting, semi-rigid polyurea used for filling control and construction joints in industrial concrete floors. EUCO QWIKjoint 200 represents a new generation of polyurea technology with features and benefits unlike any other polyurea joint filler on the market. Among these benefits are a super-fast set time and an extended shave time: EUCO QWIKjoint 200 can be trimmed flush with the floor immediately after placement or up to 24 hours later. EUCO QWIKjoint 200 supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges.

### PRIMARY APPLICATIONS

- Concrete construction and control joints
- Industrial and commercial floors
- Crack repair for old floors
- Freezer floors

### FEATURES/BENEFITS

- Fast-setting formula reduces downtime
- Large shave time window allows for greater flexibility in scheduling joint filling operations
- No bubbles - no foaming when used in damp joints
- Tough performance reduces floor joint repairs and maintenance
- 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)
- Less moisture-sensitive than standard polyureas

### TECHNICAL INFORMATION

#### Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

PROPERTY	TEST METHOD	RESULT
Gel Time	--	25 seconds
Shore D Hardness	ASTM D2240	34 to 36
Shore A Hardness	ASTM D2240	84 to 88
Tensile Strength @ 7 days	ASTM D412	660 psi (4.6 MPa)
Elongation @ 7 days	ASTM D412	220% to 260%
Shave "Window"	--	30 min to 24 hours
Tack-Free Time	--	1 to 3 minutes
Traffic Ready Time	--	Light Traffic: 15 min Heavy Traffic: 30 min

**Chemical Ratings:** **Excellent** - no effect after 2 weeks  
**Good** - no effect for 24 hours  
**Poor** - affected within 24 hours

CHEMICAL RESISTANCE, ASTM D1308	
Acetic Acid, 5%	excellent
Alcohol, 10%	excellent
Alkalies	excellent
Ammonium Hydroxide, 10%	excellent
Brake Fluid	good
Diesel Fuel	excellent
Ethylene Glycol (antifreeze)	good
Gasoline	excellent
Hydrochloric Acid, 20%	excellent
JP-4 Jet Fuel	excellent
Used Motor Oil	excellent
Salt Water	excellent
Sodium Hydroxide, 10%	excellent
Sulfuric Acid, 10%	good
Xylene	poor

**Appearance:** EUCO QWIKjoint 200 is available in Standard Gray only. The product may discolor over time if exposed to either natural or artificial ultraviolet light. If aesthetics are an important issue or if another color is desired, use EUCO QWIKjoint UVR, which is UV resistant and available in 33 standard colors.

### PACKAGING

EUCO QWIKjoint 200 is a two-component product packaged in 10 gal (37.9 L) and 100 gal (379 L) kits. 22 oz (600 mL) side-by-side cartridges are packaged 12 per case. Each cartridge yields 40 in<sup>3</sup> (655 cm<sup>3</sup>). The mix ratio for all packaging sizes is 1:1.

## SHELF LIFE

1 year in original, unopened containers

## SPECIFICATIONS/COMPLIANCES

EUCO QWIKjoint 200 complies with ACI 302 performance recommendations regarding control and construction joint fillers.

Canadian Food Inspection Agency Compliant

## COVERAGE

1 gallon (3.78 L) of EUCO QWIKjoint 200 yields 231 in<sup>3</sup> (3,785 cm<sup>3</sup>) of material.

Six 22 oz (600 mL) cartridges equal approximately 1 gallon (3.78 L) of material.

The following table gives rough guidelines on estimating the amount of material needed. These numbers represent the length of joint that can be filled with 1 gallon (3.78 L) of material, based on the joints' width and depth.

Joint Width	Joint Depth					
	1"	1.5"	2"	2.5"	3"	
3/32" (2.4 mm)	205 ft (62.5 m)	136 ft (41.5 m)	102 ft (31.1 m)	82 ft (25.0 m)	68 ft (20.7 m)	
1/8" (3.2 mm)	154 ft (46.9 m)	102 ft (31.1 m)	77 ft (23.5 m)	61 ft (18.6 m)	51 ft (15.5 m)	
3/16" (4.8 mm)	102 ft (31.1 m)	68 ft (20.7 m)	51 ft (15.5 m)	41 ft (12.5 m)	34 ft (10.4 m)	
1/4" (6.4 mm)	77 ft (23.5 m)	51 ft (15.5 m)	38 ft (11.6 m)	30 ft (9.1 m)	25 ft (7.6 m)	
3/8" (9.5 mm)	51 ft (15.5 m)	34 ft (10.4 m)	25 ft (7.6 m)	20 ft (6.1 m)	17 ft (5.2 m)	
1/2" (12.7 mm)	38 ft (11.6 m)	25 ft (7.6 m)	19 ft (5.8 m)	15 ft (4.6 m)	12 ft (3.7 m)	

## DIRECTIONS FOR USE

**Surface Preparation:** All joints to be filled 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 must be the complete removal of all residue with a vacuum cleaner and oil-free compressed air. 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 must be routed out and cleaned before filling. For proper installation, all edges must be squared off.

**Joint Backing:** To provide proper load transfer, EUCO QWIKjoint 200 must be filled full depth of the joint or crack. Do not use backer rod or other fill material for the purpose of reducing volume. Dried silica sand, 1/16" to 1/8" (1.5 to 3 mm), may be used to fill the crack at the bottom of the joint to prevent material loss through the slab.

**Priming:** EUCO QWIKjoint 200 does not require a primer before application.

### **Preparation of 10 gal (37.9 L) units**

**Mixing:** Due to its extremely fast set time, EUCO QWIKjoint 200 requires machine mixing and placing. **\*\*Slowly pre-mix Part B separately before using with a slow speed drill and mixing paddle for 2 to 3 minutes.** Do not whip air into the Part B while mixing. Follow mechanical pump manufacturer's equipment instructions for operation.

**NOTE:** If EUCO QWIKjoint 200 is to be stored in the dispensing pump overnight, place a sheet of plastic wrap directly on top of the liquid material in each tank to prevent exposure to air.

### **Preparation of 22 oz (600 mL) cartridges**

QWIKjoint 200 cartridges must be shaken well before opening and using, as some settlement is normal during storage. Remove the threaded cartridge nut, then remove the white plastic plug from the top of the cartridge. The nut and plug can be set aside and later used to re-seal a partially used cartridge. To avoid cross contamination during re-sealing, clean the white plastic plug prior to re-inserting in the top of the cartridge. Thread the included static mixing nozzle onto the cartridge securely. Load the cartridge into a 1:1 ratio, dual-component dispensing gun, designed to accommodate 600 mL (300 mL x 300 mL) cartridges. Hold the gun with the mixing nozzle pointing straight upward, and pump EUCO QWIKjoint 200 up to the top of the static mixing nozzle. Then, tilt the gun downward and dispense the first 2 to 3 pumps (or until material appears uniform) of material into a disposable container. Discard this material. The cartridge is now prepared for the placement of EUCO QWIKjoint 200.

### **Placement for 10 gal (37.9 L) units and 22 oz (600 mL) cartridges**

EUCO QWIKjoint 200 must be installed in the joint full depth. Joints should be slightly overfilled and shaved smoothly with the surrounding joint edges, giving the floor joints a flat appearance. Shaving of excess EUCO QWIKjoint 200 can begin approximately 1 hour after placement, and up to 24 hours later, depending on jobsite conditions such as the concrete and ambient temperatures.

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## CLEAN-UP

Tools, equipment and general clean-up can be done with EUCO SOLVENT or acetone. Clean equipment before EUCO QWIKjoint 200 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 200 material and all application equipment should be kept at ambient temperatures of 50°F (10°C) or above.
- Surface and ambient temperature during applications should be between -20°F and 90°F (-29°C and 32°C)
- For filling joints greater than 1/2 inch (1.3 cm) in width, the use of EUCO QWIKJOINT UVR is strongly recommended.
- Do not use EUCO QWIKjoint 200 as an expansion joint sealant.
- Contact surfaces must be clean and dry for best adhesion.
- Joint edges must be thoroughly cleaned prior to filling, particularly if a floor sealer or densifier has been applied.
- Coatings may not adhere to EUCO QWIKjoint 200. If the floor is intended to receive a seamless epoxy or urethane coating, refer to our "Epoxy & Urethane Coatings Application Guide".
- Product may discolor in direct sunlight or artificial light.
- In all cases, consult the Safety Data Sheet before use.

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