



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
- Crack repair for old floors
- Industrial and commercial 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

**Tack Free Time** @70°F (23°C) ..... 1 to 3 min

**Light Traffic** @70°F (23°C) ..... 15 min

**Full Traffic** @70°F (23°C) ..... 30 min

#### Tensile Strength

ASTM D 412 ..... >800 psi (>5.52 MPa)

**Elongation** ASTM D 412 ..... 200 to 250%

#### Tensile Modulus

ASTM D 412 ..... 600 to 675 psi (4.65 MPa)

**Shore D Hardness** ASTM D 2240 ..... 32 to 38

**Shore A Hardness** ASTM D 2240 ..... 88 to 90

**Chemical Ratings:** **Poor** - affected within 24 hours

**Good** - no effect for 24 hours

**Excellent** - no effect after 2 weeks

#### 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

**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 package

## SPECIFICATIONS/COMPLIANCES

- EUCO QWIKjoint 200 complies with ACI 302 performance recommendations regarding control and construction joint fillers.
- USDA and Canadian Food Inspection Agency

## COVERAGE

The following table gives guidelines on theoretical material estimates in linear ft/gal (linear m/L).

Joint Width	Joint Depth		
	1.5"(38 mm)	2"(51 mm)	2.5"(63 mm)
3/16" (4.8 mm)	68 ft (5.5 m)	51 ft (4.2 m)	41 ft (3.2 m)
1/4" (6.4 mm)	51 ft (4.2 m)	38 ft (3.2 m)	30 ft (2.4 m)
3/8" (9.5 mm)	34 ft (2.6 m)	25 ft (2.1 m)	20 ft (1.6 m)

## DIRECTIONS FOR USE

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

**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 and prevent three-sided adhesion.

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

**Mixing - Bulk:** Due to its extremely fast set time, EUCO QWIKjoint 200 requires machine mixing and placing. **Part B must be mixed separately before using.** Follow mechanical pump manufacturer's equipment instructions for operation.

**Mixing - Cartridges -** QWIKjoint 200 cartridges should be shaken vigorously before using, as some settlement is normal during storage. Follow the specific installation instructions on the cartridge label.

**Note:** If EUCO QWIKjoint 200 is to be stored in the dispensing pump overnight, place a piece of plastic wrap directly on top of the material in each tank to prevent exposure to air. EUCO QWIKjoint 200 Part B thickens upon standing, but can be thinned back to a normal consistency by gentle mixing with a drill or by hand.

**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 200 can begin approximately 30 minutes after placement, and up to 24 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 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.
- 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.
- Product may discolor in direct sunlight or artificial light.
- In all cases, consult the Safety Data Sheet before use.

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