

EUCO QWIKJOINT UVR

UV-RESISTANT POLYUREA FLOOR JOINT FILLER

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EUCLID CHEMICAL

DESCRIPTION

EUCO QWIKJOINT UVR represents a new generation of polyurea technology with features and benefits unlike any other polyurea joint filler on the market. EUCO QWIKjoint UVR resists fading from ultraviolet light greater than any existing product. It is a fast-setting, semi-rigid polyurea, primarily used for filling construction and control joints in industrial and commercial concrete floors. EUCO QWIKjoint UVR can be shaved flush with the floor shortly after placement or up to 24 hours later. EUCO QWIKjoint UVR supports and protects joint edges from heavy loads and wheel traffic, reducing spalling of the joint edges. EUCO QWIKjoint UVR is available in 33 standard colors and in a Neutral Base, that can be colored on site with EUCLID UNIVERSAL COLOR PACKS; available in the same 33 colors.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

- Unparalleled UV resistance
- Fast setting formula reduces downtime
- Large shave-time window allows for greater flexibility in scheduling joint filling operations
- Tough performance reduces floor joint repairs and maintenance
- Will cure in temperatures as low as -20° F (-29°C)
- No bubbles/foaming when used in damp joints
- Less moisture-sensitive than standard polyureas
- Available in 33 standard colors

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	--	25-30 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"	--	1 to 24 hours
Tack-Free Time	--	3 to 4 minutes
Traffic Ready Time	--	Light Traffic: 1 hour Heavy Traffic: 2 hours
Adhesion to Concrete @ 7 days	ASTM D4541	250 psi (1.7 MPa)
Viscosity	ASTM D2196	Part A: 2,000 cp Part B: 1,800 cp

CHEMICAL RESISTANCE, ASTM D1308	
Acetic Acid, 10%	no effect
Alcohol, 10%	no effect
Ammonium Hydroxide, 10%	no effect
Brake Fluid	swelled, softened
Diesel Fuel	discolored
Ethylene Glycol (antifreeze)	no effect
Gasoline	stained
Hydrochloric Acid, 20%	slight swelling
JP-4 Jet Fuel	no effect
Used Motor Oil	stained
Salt Water	no effect
Sodium Hydroxide, 10%	slightly discolored
Sulfuric Acid, 10%	no effect
Xylene	no effect

Appearance: EUCO QWIKjoint UVR is available in 33 standard colors and in a Neutral Base that can be colored on site using EUCLID UNIVERSAL COLOR PACKS, which are available in the same 33 standard colors. See the EUCLID UNIVERSAL COLOR CHART for available colors. The user should expect some batch to batch variability in color. If possible, "box" the Part B after pre-stirring each pail to ensure color uniformity.

PACKAGING

EUCO QWIKjoint UVR is a two-component product packaged in 22 oz (600 mL) side-by-side cartridges (12/case) and 10 gal (37.9 L) kits for all 33 standard colors. The mix ratio for all packaging sizes is 1:1.

SHELF LIFE

1 year in original, unopened containers

SPECIFICATIONS/COMPLIANCES

- EUCO QWIKjoint UVR complies with ACI 302 performance recommendations regarding control and construction joint fillers
- USGBC LEED Version 4, BD&C, ID&C
- The WELL Building Standard
- ANSI/GBI 01, Green Building Assessment Protocol

COVERAGE

1 gallon (3.78 L) of EUCO QWIKjoint UVR yields 231 in³ (3,785 cm³) 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 by use of oil-free compressed air, or by re-cutting the joint, followed by vacuuming. 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 UVR 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 UVR 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 UVR 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 UVR 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.

Euclid Universal Color Packs: EUCO QWIKjoint UVR Neutral Base can be colored using 1 EUCLID UNIVERSAL COLOR PACK (EUCO Pack) per 10 gal (37.85 L) unit. Prior to mixing the unit together, stir the color pack into the part "B" side of the product while conducting the pre-mix as described above, until it is fully dispersed. EUCLID UNIVERSAL COLOR PACKS are available in 33 standard colors, see EUCLID UNIVERSAL COLOR CHART for available colors.

Preparation of 22 oz (600 mL) cartridges

QWIKjoint UVR 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 UVR 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 UVR.

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

EUCO QWIKjoint UVR 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 UVR can begin approximately 1 hour after placement, and up to 24 hours later, depending on jobsite

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CLEAN-UP

EUCO SOLVENT or acetone may be used for clean-up of tools and equipment. Clean excess material before EUCO QWIKjoint UVR has cured. Cured material will require removal by mechanical means.

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.**
- One EUCLID UNIVERSAL COLOR PACK (EUCO Pack) may be added per 10 gal (37.85 L) unit of Neutral Base; mix into the "B" side.
- EUCO QWIKjoint UVR 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)
- Do not use EUCO QWIKjoint UVR 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 UVR. If the floor is intended to receive a seamless epoxy or urethane coating, refer to our "Epoxy & Urethane Coatings Application Guide".
- Product may slightly discolor if constantly exposed to exterior UV radiation.
- In all cases, consult the Safety Data Sheet before use.

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