



# EUCO QWIKJOINT UVR

(ALSO KNOWN AS FLOWFLEX UVR)

UV-RESISTANT POLYUREA FLOOR JOINT FILLER

## 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 colours and in a Neutral Base, that can be coloured on site with EUCLID UNIVERSAL COLOR PACKS; available in the same 33 colours.

## 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 -29°C
- No bubbles/foaming when used in damp joints
- Less moisture-sensitive than standard polyureas
- Available in 33 standard colours

## TECHNICAL INFORMATION

PROPERTY	TEST METHOD	RESULT
Gel Time	--	28 seconds
Shore D Hardness	ASTM D 2240	33
Shore A Hardness	ASTM D 2240	84
Tensile Strength @ 14 days	ASTM D 638	8.9 N/mm <sup>2</sup>
Elongation at Break @ 14 days	ASTM D 638	249%
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	ASTM D 4541	1.7 N/mm <sup>2</sup> @ 7 days
Viscosity	ASTM D 2196	Part A: 2,000 cp Part B: 1,800 cp

CHEMICAL RESISTANCE, ASTM D 1308	
Acetic Acid, 10%	no effect
Alcohol, 10%	no effect
Ammonium Hydroxide, 10%	no effect
Brake Fluid	swelled, softened
Diesel Fuel	discoloured
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 discoloured
Sulfuric Acid, 10%	no effect
Xylene	no effect

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

## PACKAGING

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

## SHELF LIFE

1 year in original, unopened package.

## SPECIFICATIONS / COMPLIANCES

**EUCO QWIKJOINT UVR** complies with ACI 302 performance recommendations regarding control and construction joint fillers as well as the USDA.

## COVERAGE

The following table gives guidelines on theoretical material estimates in liner m/L.

Joint Width	40 mm (depth)	50 mm (depth)	60 mm (depth)
5.0 mm	5.0 m	4.0 m	3.3 m
10.0 mm	2.5 m	2.0 m	1.6 m
15.0 mm	1.6 m	1.3 m	1.1 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 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, 1.5 to 3 mm may be used to fill the crack at the bottom of the joint and prevent three-sided adhesion.

**Priming:** **EUCO QWIKJOINT UVR** does not require a primer before application.

**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. **EUCO QWIKJOINT UVR** cartridges must be shaken before using, as some settlement is normal during storage. Follow the specific installation instructions on the cartridge label.

**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 coloured using 1 EUCLID UNIVERSAL COLOR PACK (EUCO Pack) per 37.85 L unit. Prior to mixing the unit together, stir the colour 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 colours, see EUCLID UNIVERSAL COLOR CHART for available colours.

**Placement:** **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 conditions such as the concrete and ambient temperatures.

## CLEAN UP

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 37.85 L unit of Neutral Base; mix into the "B" side.
- **EUCO QWIKJOINT UVR** and all application equipment should be kept at ambient temperatures of 10°C or above.
- 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.
- Product may slightly discolour if constantly exposed to exterior UV radiation.
- In all cases, consult the Safety Data Sheet before use.

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