

PRODUCT 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.

USAGE/PURPOSE

Typical applications for EUCO QWIKjoint UVR include:

- 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

PACKAGING

EUCO QWIKjoint UVR is a two-component product packaged in 2x300ml (600ml) side-by-side cartridges. The mix ratio is 1:1.

COLOUR

- Grey
- 32 other colours available made to order

SHELF LIFE

1 year in original, unopened containers

STORAGE

Store in a dry cool place in an upright position in original unopened packaging.

LIMITATIONS

- EUCO QWIKjoint UVR material and all application equipment should be kept at ambient temperatures of 10°C or above.
- Surface and ambient temperature during applications should be between -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 discolour if constantly exposed to exterior UV radiation.
- 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.

CHEMICAL RESISTANCE, ASTM D1308	
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
Petrol	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

TYPICAL PHYSICAL PROPERTIES		
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	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	1.7 MPa
Viscosity	ASTM D2196	Part A: 2,000 cp Part B: 1,800 cp

* Drying times will vary depending on ambient temperature and relative humidity

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, 1/16" 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 600 ML CARTRIDGES

EUCO 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 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 conditions such as the concrete and ambient temperatures.

USAGE

6 x 600 mL cartridges equal approximately 3.6 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 3.6 L of material, based on the joints' width and depth.

Joint Width	JOINT				
	25 mm	38 mm	50 mm	64 mm	76 mm
2.4 mm	62.5 m	41.5 m	31.1 m	25.0 m	20.7 m
3.2 mm	46.9 m	31.1 m	23.5 m	18.6 m	15.5 m
4.8 mm	31.1 m	20.7 m	15.5 m	12.5 m	10.4 m
6.4 mm	23.5 m	15.5 m	11.6 m	9.1 m	7.6 m
9.5 mm	15.5 m	10.4 m	7.6 m	6.1 m	5.2 m
12.7 mm	11.6 m	7.6 m	5.8 m	4.6 m	3.7 m

* All coverage rates are approximate & vary with substrate condition.

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.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

Tremco has a team of representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.