

TK-POLYUREA CRACK REPAIR

Urethane/Polyurea Hybrid

Item No. TK-9030

PRODUCT DESCRIPTION

TK-POLYUREA CRACK REPAIR is a fast-setting, low viscosity, polyurea/urethane blend for penetrating and filling cracks in concrete bridge decks and slabs.

Features:

- Low viscosity to easily penetrate cracks as small as 1/32", effectively sealing them off from damage and degradation.
- Extremely fast setting - gels in 3-6 minutes and tack free in 10 minutes.

USES:

Suitable for use to fill and repair concrete bridge decks and concrete slabs.

APPLICATION PROCEDURES:

PREPARATION:

Cracks and joints should be clean and dry. Any contaminants including paints, curing compounds, oil, dirt and debris must be removed prior to application.

APPLICATION:

Cartridge Application - Shake the cartridge and remove the nut and cartridge plugs. Install flow restrictor, attach static mixer to cartridge and replace the nut. Install cartridge into mix gun, place mixer tip into the area to be filled and squeeze the trigger to begin product flow. Maintain steady pressure to ensure proper mixing.

Bulk Kit Application - When using either 2-gallon or 10-gallon bulk kits: **Stir parts A and B separately before combining together.** Mix equal parts A and B by volume. Blend quickly and vigorously using a paddle-type mixer until the material is completely homogeneous. Scrape the sides of container frequently while mixing.

Mix only small amounts at one time and work quickly as pot life of catalyzed material is 3-6 minutes at 75°F (24°C).

NOTE: Silica sand may be used to discontinue flow into cracks and joints.

DRY TIME*:

At 70°F, this product gels in 3-6 minutes and is tack free in 10 minutes.

*Gel times, cure times and thin film tack free times will be extended with cooler temperatures.

COVERAGE:

As supplied, each 600-ml cartridge will fill 36 cubic inches (or a crack that is 12 linear feet long, by 1/8" wide, by 2" deep). On bridge decks, each 600-ml cartridge will cover approximately 75-100 linear feet.

TECHNICAL DATA

Color:	Gray
Composition:	Polyurea/Polyurethane
Non-Volatile Content:	57%-58%
Gel Time* (70°F):	3-6 minutes
Tack Free* (70°F):	10 minutes
VOC Content:	< 450 g/l
A.I.M. Category:	This product is not currently regulated by 1999 Federal EPA VOC regulations
Applicable Standards:	- ASTM C 496: Splitting Tensile Strength of Cylindrical Concrete Specimens - ASTM C 666: Resistance of Concrete to Rapid Freezing and Thawing - USDA Authorization for use in meat and poultry processing plants

* Cooler temperatures will extend gel and tack free times

TESTING DATA

TEST	RESULTS
Tensile Strength (ASTM D638):	4230 psi
Tensile Elongation (ASTM D638):	3.3%
Bond Strength (WDOT procedure):	4154 psi (hairline crack)

As supplied, each 2-gallon kit will fill 462 cubic inches.

*Coverage rate will vary depending on the size of the crack and any waste overfilled.

CLEAN UP:

Spills of uncured material may be cleaned with TK-00 XYLENE*. Cured material is extremely chemically inert and should be scraped off surfaces before it cures. Discard any used static mixers and do not attempt to reuse.

LIMITATIONS:

- Shelf life is approximately 18 months from date of manufacture when stored at room temperature in an unopened container.
- Store between 65°F to 85°F (18°C to 40°C).
- KEEP FROM FREEZING.

SAFETY PRECAUTIONS:

- This product contains chemicals that are corrosive and sensitizers. Care should be taken to minimize exposure and contact. Keep out of reach of children.

- Protective equipment such as safety glasses, gloves and respirators are recommended when handling this material in confined spaces.
- Avoid skin contact. If contact occurs, remove contaminated clothing immediately and wash skin with soap or a lanolized cleaner.
- Avoid eye contact. If contact occurs, flush eyes with large amounts of water and get medical attention immediately.

FIRST AID:

- Consult this product's safety data sheet for additional health and safety information. Safety Data Sheets are available through TK distributors, the TK office and the TK website.

AVAILABILITY:

TK-POLYUREA CRACK REPAIR is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in 10-gallon kits, 2-gallon kits and 600-ml* cartridges (approximately 20-fl. oz. each - boxed 12 cartridges per case).

*600-ml cartridge units expire 1 year from date of manufacture.

FOR PROFESSIONAL USE ONLY

NOTES:

*TK-00 XYLENE must be purchased separately

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TK Products Construction Coatings

11400 West 47th Street Minnetonka, MN 55343
800-441-2129 toll free | 952-938-8084 fax | www.tkproducts.com