

A-Tech 1300

Polyurea Floor and Slab Crack Repair

Description:

A-Tech 1300 is a hard, two component, high strength, ultra low viscosity polyurea used in repairing concrete floor and slab cracks, spalls and delaminations. Cracks as narrow as hairline can be repaired. Sand can be mixed to make a repair grout or to match the concrete appearance. A-Tech 1300 rapidly cures in 20 minutes to allow the return of foot and vehicle traffic. Overlays can be applied the same day as the spall or crack is repaired.

Where to Use:

- Concrete Slab Cracks
- Concrete Slab Spalls
- High Traffic Areas
- Warehouses
- Garages
- Driveways

Features:

A-Tech 1300 is a very low viscosity polyurea that penetrates deeply into cracks and spalls to repair them. Once cured A-Tech 1300 has a high tensile strength and bonds tightly to the concrete substrate.

Benefits:

- Fast initial set (2-4 minutes)
- Quick cure time (20 minutes)
- Extremely low viscosity for tight cracks
- Self leveling
- 300 cc x 300 cc cartridge system (22 oz)

Physical Properties:

Solids	60%	Shelf Life	1 Year
Hardness (ASTM D2240)	Shore D70	Mix Ratio	1:1
Tack Free	4-5 min.	Gel Time	2 min @ 70°F
Tensile Strength ASTM D412)	4500 PSI	Tear Strength (ASTM 624C)	460
Elongation	8%	Viscosity	20 cps



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Packaging:

Dual Cartridges 300 cc x 300 cc (22 oz)

Preparation

Concrete must be cured 28 days prior to application. The area to be repaired must be dry. DO NOT use in expansion joints.

Application:

1. Cracks- Open the crack ¼" wide by ¼" deep with a diamond blade wheel and hand grinder. Vacuum out debris and dust. Oils, sealers and water will prevent proper bonding of A-Tech 1300.
Spalls-Chisel out defective area and give it a clean edge for bonding A-Tech 1300. Vacuum out loose debris. Oils, sealers and water will prevent proper bonding of A-Tech 1300.
2. Fill the crack or spall with dry silica sand. 30-60 grit is recommended.
3. Shake A-Tech 1300 for 20-30 seconds.
4. Remove cap off cartridge and attach the crossover restrictor. Then attach the static mixer and then tighten retaining nut to cartridge. Hold the injection gun pointed up and place cartridge into the gun.
5. Dispense a small amount of unmixed material into a cup and discard. Product is now ready.
6. Saturate sand in the spall or crack with A-Tech 1300.
7. Work quickly. Add sand to the crack or spall until it is above the level of the floor or slab.
8. Once set, grind off excess with a grinder or scraper.

Warranty:

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product.

THE FOREGOING WARRANTY SHALL BE EXCLUSIVELY AND IN LIEU OF AN OTHER WARRANTY, EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE AND PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OR DEALING, CUSTOM, TRADE OR OTHERWISE



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