

CrownCrack 7300

Product Description Sheet No. xxx

Polyurethane Alloy Concrete Repair

Description

CrownCrack 7300 is a two component, low odor, liquid applied, polyurethane-alloy concrete repair system designed to repair concrete and masonry substrates. The new surface will protect concrete from weather, corrosion, erosion, freeze/thaw spalling and chemical attack.

Advantages

- Waterproof
- Excellent Abrasion Resistance
- Repairs Can Be Made in Hot or Cold Weather
- Rapid Cure Allows Traffic to Resume in 30 Minutes
- Remains Flexible in a Wide Range of Temperatures

Typical Uses

- Hairline Cracks
- Thin, Wide or Deep Cracks
- Pavement Divots

Colors

Part-A: Yellow, Part-B: Blue

Packaging

2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and one 1 gallon (3.78 liter) can of Part-B

10 gallon kit: One 5 gallon (19 liter) pail of Part-A and one 5 gallon (19 liter) pail of Part-B

Contact Crown Polymers for availability.

Surface Preparation:

Hairline Crack Repair: Blow out the cracks with dry compressed air to remove loose and unsound material.

Large Crack Repair: Remove loose and unsound material in the crack by blowing the cracks with dry compressed air. Fill the cracks with sand that is at least twelve (12) mesh or larger.

Application:

CrownCrack 7300 should be applied using a proportioning dispensing system. This type of system transfers, meters, and mixes the co-reactive Part-A and Part-B components at a very high rate and at the required proportions. The machine transfers from five or fifty-five gallon containers through proportioning pumps at the specified ratio of 1:1. Both components are pumped through a disposable static mixing tube. The combined mixture can then be dispensed onto the gravel or sand prepared crack.

Material left in the static mixing tube will thicken in approximately 1 minute and solidify in 3 minutes. Static mixing tube should then be discarded.

Curing:

CrownCrack 7300 is a rapid cure material that will be completely cured in approximately 5-10 minutes.

CrownCrack 7300 is very sensitive to heat and moisture. Higher temperatures and/or high humidity may slightly accelerate the cure time.

Low temperature and/or low humidity may slightly extend the cure time.

Technical Data (Based on draw down film)

Hardness, ASTM D-2240	70 ± 5 Shore D
Tensile Strength, ASTM D-412	2200 ± 220 psi
	15.17 ± 1.5MPa
Ultimate Elongation, ASTM D-412	4 ± 0.5%
Compressive Strength**, ASTM C-42	4750 psi
	32.76 MPa
Specific Gravity,	
Part-A	1.139
Part-B	0.967
Mixing Ratio by Weight	118:100
Mixing Ratio by Volume	1:1
Viscosity at 75°F (24°C), Brookfield,	
Part-A	80 ± 20 cps
Part-B	150 ± 30 cps
Pot Life @ 75°F (24°C)	80 seconds
Flash Point	>300°F
	>148.89°C
Bond Strength to Concrete	Excellent
Thermal Compatibility to Concrete	Good
**Compressive strength was checked on composite of Silica sand (12 mesh, 6.5 Moh's minimum hardness) and 18 to 20% of CrownCrack 7300 in a 4" X 8" cylinder.	

Chemical Resistance (Based on ASTM D-814)

CrownCrack 7300 was unaffected by the following chemicals:

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Acidic Chemicals

- Acetic Acid, 1%
- Acetic Acid, 10%
- Hydrochloric Acid, 1%
- Hydrochloric Acid, 10%
- Sulfuric Acid, 1%
- Sulfuric Acid, 10%

Basic Chemicals

- Ammonium Hydroxide, 1%
- Ammonium Hydroxide, 10%

Oils, Fuels and Other Chemicals

- Hydraulic Oil
- Motor Oil
- Unleaded Gas (Regular)
- Unleaded Gas (Premium)
- Hexane
- IPA
- MIBK
- Xylene

Equipment Cleanup:

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Storage:

CrownCrack 7300 has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

Limitations:

Surfaces must be dry, clean and free of foreign matter. Should be used in well-ventilated areas due to its strong odor. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance. CrownCrack 7300 is for concrete crack repairs only. Refer to general guidelines for more information.

Warning:

This product contains Isocyanates.

**FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINERS TIGHTLY CLOSED**

LIMITED WARRANTY "Crown Polymers Corp. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Crown Polymers current published physical properties when applied in accordance with Crown Polymers written directions and tested in accordance with ACI, ASTM and Crown Polymers Standards. Product proved to be defective will be replaced. **There are no other warranties by Crown Polymers Corp. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Crown Polymers Corp. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Crown Polymers will not be responsible for use of this product in a manner to infringe on any patent held by others."