

## PHYSICAL PROPERTIES

**VOLUMETRIC MIX RATIO** ..... 2A:1B

**COVERAGE RATE** .....

	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1/4"	308	205	154	123	102	88	77
3/8"	205	136	102	82	68	58	51
1/2"	154	102	77	61	51	44	38
5/8"	123	82	61	49	41	35	30
3/4"	102	68	51	41	34	29	25
7/8"	88	58	44	36	29	25	22
1"	77	51	38	30	25	22	19

Coverage Rate: Linear Feet per Gallon

**APPLICATION TEMP** ..... 20°- 90°F

**POTLIFE**  
1 Gal mass @ 75°F ..... 3-5 Minutes

**DRY TIME**  
@ 75°F ..... 30 Mins

**FULL CURE** ..... 24 Hours

**PACKAGING** ..... 1.5 Gal Kit  
15 Gal Kit

## MECHANICAL PROPERTIES

**TENSILE STRENGTH**  
ASTM D638 ..... 3,500 p.s.i

**ELONGATION**  
ASTM D638 ..... 1.1%

**FLEXURAL STRENGTH**  
ASTM D790 ..... 4,600 p.s.i

**WATER ABSORPTION**  
ASTM D570 ..... Max 0.45%

## CHEMICAL RESISTANCE

Refer to CrownTech Chemical Resistance Guideline Technical Bulletin No. 9

## PRODUCT DESCRIPTION

120 CrownCrack Sealer is a 100% solids, non-shrink, non-sag, moisture insensitive, two-component modified high-modulus smooth epoxy paste adhesive formulated to adhere and cure on damp or dry surfaces.

## TYPICAL USES

- Concrete Repair
- Securing Injection Ports

## BENEFITS

- Complies with USDA, FDA, FSMA. See Crown Polymers Technical Bulletin: 3 Food and Beverage Compliance.
- LEED requirements. See Crown Polymers Technical Bulletin: 5 LEED information
- Cures to an inert finish. See Crown Polymers Technical Bulletin: 2 VOC Compliance

## COLORS



Concrete Grey

## LIMITATIONS

- Higher temperatures will result in shortened working times and faster drying time.
- Colder temperatures will result in longer dry time.
- Do not thin
- Do not apply if ice is present
- Minimum substrate & ambient temperature is 20°F

## SHELF LIFE

1 Year from Date of Manufacture provided unopened

## STORAGE

Store in a dry environment at room temperature and out of direct sunlight.

## APPLICATION EQUIPMENT

Personal Protective Equipment  
Jiffy Mixing Paddle  
Drill  
V-Blade  
Putty Knife  
Stainless Steel Trowel

## SURFACE DIAGNOSTICS

Concrete must be structurally sound and free of all contaminants and bond breakers. Test concrete compressive strength using a Schmidt or Rebound Hammer to ensure substrate has compressive strength of 3500 psi or higher.

Perform a pH test using concrete pH test strips or meter to ensure substrate pH is between 9-12.

Perform Moisture Test using either Calcium Chloride per ASTM F1869 or In-Situ Relative Humidity Probe per ASTM F2170 to ensure substrate has Moisture Vapor Emission Rate of 3 psi or less and Relative Humidity of 80% or less. See CrownTech Bulletin 6: Moisture Mitigation Negative Side Moisture Barrier

## SURFACE PREPARATION

Allow concrete to cure 28 days before installation. All cracks and divots must be clean prior to application. For random crack and spall repairs, each side of the crack should be cut to create a minimum 1/4" deep vertical edge.

## SURFACE REPAIR

All depressions, divots and cracks should be profiled and free of dust and contaminants. Repair surface imperfections to reduce the ability to see the defect through the coating.

Honor all dynamic (moving) joints, static joints may be filled, use dynamic joints as initiation and termination points during application process where needed.

## TEMPERATURE EVALUATION

Ambient and substrate temps should be above 20°F and a minimum of 5°F above Dew Point.

Product temps should be between 70-80°F.

Relative Humidity should not exceed 80%. See CrownTech Bulletin 7: Temperature & Relative Humidity

**ALL SOURCES OF IGNITION SHOULD BE TURNED OFF AND ENVIRONMENT SHOULD HAVE PROPER AND ADEQUATE VENTILATION DURING APPLICATION AND CURING PROCESS**

**MIXING AREA SHOULD BE PLACED ON OR IN CLOSE PROXIMITY TO PROJECT. AREA SHOULD BE SECURELY COVERED WITH PLASTIC, CARDBOARD OR TARP. STAGE MATERIALS, TOOLS AND CLEANING SUPPLIES IN MIXING AREA PRIOR TO APPLICATION PROCESS.**

**DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED IN 3-5 MINUTES**

## MIXING

1

Add A&B components at a mix ratio of 2A:1B by volume

2

Mix components for 1 minute using putty knife or drill with jiffy mixer ensuring mixture is homogeneous

## COVERAGE RATE

300 Lf / Gal @ 1/4" x 1/4"

**COVERAGE RATE WILL VARY DEPENDING ON DEPTH AND WIDTH OF CRACK, REFER TO COVERAGE RATE CHART**

## WORKING TIME

3-5 Minutes @ 75°F

**WARMER AMBIENT, PRODUCT AND SURFACE TEMPERATURES WILL SHORTEN POTLIFE AND WORKING TIME.**

## APPLICATION STEPS

1

Put mixed material into prepared joint or crack slightly overfilling

✓

Allow coating to dry:  
30 Mins - 7 hours depending on temperatures  
Grind repair material flush with surface.

## CLEAN-UP

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure the working areas are well ventilated at all times during placement and curing time.

## DISPOSAL

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations.

## MAINTENANCE

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes. See Crown Polymers Technical Bulletin: 8 Care and Maintenance.

## TECHNICAL SUPPORT

For questions, contact a Crown Polymers Representative. Additional Support Documents are available from Crown Polymers, including brochures, application guidelines, videos and more. Visit [Crownpolymers.com](http://Crownpolymers.com) or contact Crown for additional resources

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**REFER TO SAFETY DATA SHEETS (SDS) FOR SAFETY PRECAUTIONS.**

**SAFETY PRECAUTIONS MUST BE FOLLOWED DURING STORAGE, HANDLING AND USE.**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**SHALL BE WORN AT ALL TIMES INCLUDING BUT NOT LIMITED TO LONG SLEEVE SHIRTS OR DISPOSABLE ARM SLEEVES, SAFETY GLASSES, DISPOSABLE NITRILE GLOVES, AND PROPERLY FITTED NIOSH RESPIRATORS**