

SCT-EP

EPOXY RESIN CRACK FILLER



View More Info for this Product at
www.surecretedesign.com/product/epoxy-concrete-repair

SCT-EP

EPOXY CRACK TREATMENT

DESCRIPTION

SCT-EP Epoxy Crack and Spall Treatment is a traditional epoxy system to effectively treat cracks and quickly fill spalls or voids in concrete. The system is economical not only in product costs, but also in tools required for its application. **SCT-EP Epoxy Crack and Spall Treatment** may be used prior to the application of an overlay for concrete or as a stand-alone treatment for cracking and spalling.

TEMPERATURE/CURE

Avoid application on extremely cold or hot days or during wet, foggy weather. Basic rules include:

- Apply with ambient and surface temperatures ranging above 50°F (10°C) and below 90°F (32°C) and that will remain within ranges for at least 12 hours following application.
- Relative humidity should be below 75%.
- Ready for overlay usually overnight, approximately 8 hours.

EVALUATE/SET EXPECTATION

Establish if crack to be treated is structural or static.

- **Structural cracks**
 - Likely larger than 1/8" in width
 - May be "spitting" aggregate
 - Travel full length of slab
 - Travel from control joint to control joint
 - Backer rod or sand may be used to partially fill large deep cracks. Finished depth of epoxy must be at least 1" (2.5 cm).
 - Treatment will minimize return of crack in overlay
- **Static Cracks**
 - Less than 1/8" in width
 - Do not travel full length of slab
 - Do not travel from control joint to control joint
 - Treatment likely to be successful

Large spalls or voids in slab, especially those that are full depth of concrete will likely have a structural crack at perimeter. Damp or wet cracks cannot be treated.

CRACK CHASING

- With 4" hand-held electric grinder equipped with a diamond "crack chaser," "V" blade grind the full length of the existing crack.
- Be certain to engage the blade to the full depth of diamonds.
- Remove dust from the crack with brush and forced air (leaf blower or air compressor).



PACKAGING

3 gallon (11.4 liter) kit containing
2 gallons (7.6 liter) Part A (resin)
1 gallon (3.8 liter) Part B (hardener)

MIXING RATIO

2 parts A to 1 part B (2:1)

COVERAGE

3 gallon (11.4 liter kit) = .4 ft³ (.0113 m³)
For example fills crack 1/8" wide X 3/4" deep X 600' long
(3.2 mm wide X 19 mm deep X 183 m)

SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is (12) months from the date of purchase. Storage must be under roof and off the floor. Avoid temperature extremes. Note that part B may have color variations that do not affect performance. Rotate inventory to maintain product that is within limits.

CRACK CHASING

- Select a mixing vessel that will not melt (e.g. steel or thick mil plastic) from catalyzed material.
- Pour 1 part B into 2 parts A.
- Mechanically mix both parts A and B with "Jiffy" style mixer blade for 2 minutes at medium speed with a Jiffy style mixer at medium speed to help prevent air entraining.

APPLICATION

- Prime the crack by brushing a thin coat of blended product with a chip brush into all edges of "V" joint.
- Add clean, dry, silica sand into the same mixing vessel containing the blended **SCT-EP**. Add sufficient sand to achieve a thick slurry with the consistency between honey and peanut butter.
- Mechanically mix slurry with a "Jiffy" style mixer blade.
- Pour and margin trowel the mixture into the v-joint.
- For proper bonding of an overlay, sprinkle a small amount of sand on top of the epoxy before it completes its cure. This sand will help to create a mechanical bond with the overlay by increasing the surface bonding area.
- After curing, product may be finished flush with a hand-held grinder equipped with a "Zek" style blade.

SCRATCH COAT

Following the treatment of the crack, just prior to the installation of an overlay (if used), a scratch coat must be installed over the treated crack.

- Allow **SCT-EP** to dry overnight, approximately 8 hours.
- Dampen the slab area adjacent to both sides of the treated crack.
- Trowel a tight coat of **SureBroom** (see TDS) across the full length of the crack.

- Total width of the scratch coat should be approximately 12" (30 cm).
- Carefully feather the edge of the troweled material with trowel or damp sponge to leave no ridges.

CLEAN-UP

Before **SCT-EP** dries; spills and tools can be cleaned up with a solvent such as xylene or acetone.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

LIMITATIONS

Damp or wet cracks cannot be treated. Structural cracks are likely to recur. For use by trained professionals that have read the complete SDS. Damp Wet.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Inhalation: Avoid prolonged breathing of product. Use NIOSH approved respirator if threshold limit values are unsafe. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

- [surface-prep-epoxy-crack-treatment-hardener-sds.pdf](#)
- [surface-prep-epoxy-crack-treatment-resin-sds.pdf](#)

MANUFACTURER PART

3 - gallon kit (11.14 L) SKU # 15104001