



TECHNICAL DATA SHEET – SC-100

Revised:09/2022

PRODUCT SPECIFICATION

SC-100 Seal Coat is a two-part 100% solid clear epoxy sealer designed for use with American Safety Technologies polymeric deck flooring systems. It is intended for use in light traffic areas on interior metal decks in habitability, sanitary and other wet spaces.

MIXING AND APPLICATION

SC-100 Seal Coat is supplied in ½ gallon kits. The two-part kit is pre-measured to correct ratio. Thoroughly mix part A and part B for 3-5 minutes with a slow speed electric drill and Jiffy® Mixer type blade.

- The **SC-100** Seal Coat has a working “pot life” of approximately 25-30 minutes at 70°F. The material should be stored overnight in a cool place (approximately 70°F) prior to mixing. The higher the temperature, the shorter the “pot life”, coverage will vary according to the amount of vinyl flakes used.
- Make sure to secure all pipes, faucets, and fittings that may be a potential moisture leak. Turn off air conditioner and secure vents that may cause a direct air draft on the surface.

Note: Do not attempt to mix by hand. Improper mixing will result in improper cure; “sticky” and/ or soft spots.

Epoxy resins and water do not mix. Make sure to keep moisture away from the new seal coat for at least 12 hours (at 70°F) prior to drying; moisture will cause the seal coat to “blush” white.

- Using a short nap (no “fuzz”) or sponge roller, re-seal with SC-100 Seal Coat. Along the base of the cove (or bulkhead) use a small, soft, paint brush to “cut in” areas where the roller will not reach. (Make sure the brush leaves no bristles). Work quickly to avoid having material “set up” before being spread.

- Avoid thick and thin spots. When dry; these will show up as shiny and dull spots.
- Totally secure the area. Seal off door vents and other open spaces that may allow dust, trash, water and other contaminants to reach the wet sealer during dry time.
- Allow to dry for a minimum of 24 to 48 hours at 70°F (plus) before opening to light foot traffic and turning on air conditioning. Continue to protect from excessive moisture and standing water. Curing will continue for up to 6 days; according to temperature and humidity.
- The longer the new material is allowed to cure (and stay dry); the better the performance of the new deck. If it all possible; do not put the space back into full service for at least 3-4 days.
- After 48 hours at 70°F (plus), the area may be covered with a heavy paper (such as brown or white wrapping paper) or other covering materials that will allow surface to “breathe”. Some heavy covering materials such as plastic or plywood may slow the cure and/ or trap moisture; causing the surface to become opaque or white.

Note: Should the surface be exposed to water/moisture during cure time and “blush” white or be damaged in any other way; it may be necessary to sand and re-seal as per instructions above.

SC-100

EPOXY SEAL COAT

MIL-PRF-32584 TYPE IV, CLASS 1, COMP E /
MIL-PRF-24613 TYPE I, II CLASS 2 GRADE B

PRODUCT SPECIFICATIONS

GENERIC DESCRIPTION	2 Component Clear Epoxy Sealer
V.O.C	0 lbs. per ½ gallon kit (0 grams/ liter)
SOLIDS BY WEIGHT	100%
INDUCTION TIME	N/A
POT LIFE	0.5 Hrs. @ 70°F
ESTIMATE COVERAGE	80 sq. ft. First Coat/ 120 sq. ft. Second Coat per ½ gal. kit
WET FILM THICKNESS	2-16 Mils WFT (50.8-406.8 microns)
DRY FILM THICKNESS	2-16 Mils WFT (50.8-406.8 microns)
SHELF LIFE	2 Years
FLASH POINT	240°F (ASTM D93) (ASTM D56)
PACKAGING	½ Gallon Kit

APPLICATION SPECIFICATIONS

STORAGE REQUIREMENTS (LONG TERM)	Temp. Min 50°F (10°C) Max 90°F (32.2°C)
DRY TIMES (ASTM D 1650) RECOAT	≥ 4 Hrs @ 90°F (32.2°C) @ 50% RH (Constant) ≥ 8 Hrs @ 75°F (23.9°C) @ 50% RH (Constant) ≥ 18 Hrs @ 50°F (10°C) @ 50% RH (Constant)
FOOT TRAFFIC:	≥ 8 Hrs @ 90°F (32.2°C) @ 50% RH (Constant) ≥ 16 Hrs @ 75°F (23.9°C) @ 50% RH (Constant) ≥ 36 Hrs @ 50°F (10°C) @ 50% RH (Constant)

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CAUTION: Read Safety Data Sheet before using this material. Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame. Keep from freezing. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately. The user of this product is responsible for making its own evaluation and tests regarding the capabilities, safety, utility, suitability and application of the product, and assumes all risks and liabilities resulting from the use or application of the product, whether used alone or with other products. ITW Polymers Sealants North America, Inc. (herein referenced to as the COMPANY) warrants only that the product conforms to the specifications contained in product Technical Data Sheets published By the COMPANY, a copy of which is available to the user. If the product fails to conform to this warranty, the user shall return the product within 10 days of the purchase date with a note specifying the defect and the COMPANY will either replace the product or at its option, return the purchase price. EXCEPT AS EXPRESSLY PROVIDED IN THIS PARAGRAPH, THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND HEREBY DISCLAIMS THE SAME. In no event shall the COMPANY be liable to the user of this product, whether in contract or in tort or any other legal theory (including, without limitation, negligence), for damages which exceed the purchase price of the product, or for any indirect, incidental, consequential or similar damages, arising out of sale, use or application of the product, or for any claim made against the user by any other party, even if ITW Polymers Sealants North America, Inc. has been advised of the possibility of such claim.