



XPS-SFC3GKIT Epoxy Coating System Fast Cure

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| DESCRIPTION | XPS-SFC3GKIT is a solvent-free, two component epoxy coating system, designed for fast cure. It exhibits very good appearance and physical properties. This system has the ability to cure at low temperatures. It exhibits high mechanical strength and good resistance to organic acids. | | | |
| ADVANTAGES | <ul style="list-style-type: none"> ■ Dense surface resistant to bacteria and moisture and easy to clean ■ May apply several layers onto itself ■ Contains no solvent allowing for interior application without harmful odors ■ Excellent adhesive properties, allowing application onto other substrates. | | | |
| TECHNICAL DATA | Packaging | 11.35L (3 US gal) and 56.7L (15 US gal) | | |
| | Color | Part A | Part B | Mix |
| | | Upon Request | Clear to Amber | Upon Request |
| | Recommended Thickness | Primer | 6-8 mils | |
| | | Finish Coat | 8-12 mils | |
| | Mileage per gallon (8 mils thickness) | 200 ft ² | | |
| | Shelf Life | 12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards. | | |
| | Mix Ratio, by volume | A:B = 2:1 | | |
| | Mix Ratio, by weight | A:B = 100:44 | | |
| | Pot Life (454 g) | 10-15 minutes @ 25°C | | |
| PROPERTIES @ 23°C (73°F) AND 50% R.H. | Solids Content, by weight | 100% | | |
| | Solids Content, by volume | 100% | | |
| | Density (kg/L) | Part A | Part B | Mix |
| | | 1.05-1.10 | 0.9-1.0 | -- |
| | Thinner Recommended | XYLENE | | |
| | Recoat Window | 3-4 hours FC AND 1.5-2 HRS FOR SFC | | |
| | Pedestrian Traffic | 12-24 hours | | |
| | Normal Traffic | 24-48 hours | | |
| | Heavy Equipment Traffic | >48 hours | | |
| | * Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity. * | | | |
| | Bond Resistance (psi), ASTM D4541 | >300 (substrate ruptures) | | |
| | Permeability (%), ASTM D570 | 0.3 % | | |
| | Viscosity @ 25°C | Part A | Part B | Mix |
| | | 1000-1500 | 500-800 | - |
| | Tensile Strength (psi), ASTM D638 | 12000-13000 | | |
| Compressive Strength (psi MPa), ASTM D695 | 1850 | | | |
| Elongation %, ASTM D638 | 2.5 | | | |

*** Please note, that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same surface area. ***

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| SURFACE PREPARATION | <p>Old Concrete</p> <p>Concrete surface must be cleaned and mechanically prepared using shotblasting, sand blasting, and/or diamond grinding. All oils, sealers, curing agents, waxes and fats must be removed prior to product application. Do not apply onto wet substrates. Chloride, moisture, and pH levels should be checked prior to application. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.</p> |
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| | <p>New Concrete</p> <p>New concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lbs./inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch²). Shotblasting, sand blasting, and/or diamond grinding is required to remove the surface laitance that appears during the concrete finishing and curing process. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.</p> |
| MIXING | <p>Thoroughly mix each component separately using paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. Pour component B into component A using the proper mixing ratio of 3A:1B by volume. Mix both components for at least 3 minutes using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.</p> |
| APPLICATION | <p>Apply mixed product on the prepared surface tightly (thin film) using a rubber rake and pass a roller to obtain a uniform coating. Avoid creating puddles.</p> |
| CLEANING | <p>Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.</p> |
| RESTRICTIONS | <ul style="list-style-type: none"> ■ Minimum/Maximum temperature of substrate: 15°C / 30 °C (59 °F / 86 °F). ■ Maximum relative humidity during application and curing: 85 %. ■ Substrate temperature must be 15 °C (59°F) above dew point measured. ■ Humidity content of substrate must be < 4 % when coating is applied. ■ Do not apply on porous surfaces where a transfer of humidity may occur during application. ■ Avoid exterior use on substrates at ground level. ■ Protect from humidity, condensation and contact with water during the 24 hour initial curing period. ■ Surface may discolor in areas exposed to regular ultraviolet light. |
| HEALTH AND SAFETY | <p>In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult a physician. For respiratory irritation, move affected person to fresh air. Remove contaminated clothes and clean before reuse.</p> <p>Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with product may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Work in well ventilated area.</p> <p style="text-align: center;">*Consult the material safety data sheet for further information.*</p> |
| IMPORTANT NOTICE | <p>All statements, recommendations and technical information contained in this document are accurate to the best knowledge of SCI COATINGS Inc. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use SCI COATINGS Inc. assumes no legal responsibility for use upon these data. SCI COATINGS Inc. assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.</p> |

