

## SCProbond SiC A/CRC Wear Compound

Description:	SCProbond SiC A/CRC is a trowelable, silicon carbide filled, abrasion and corrosion resistant wear compound designed for thick application on badly worn areas or known severe wear locations. The unique formula of SiC A/CRC forms a tough high performance barrier that resists sliding abrasion and chemical attack. SiC A/CRC adheres easily to most metals and cast silicon carbide substrates found in harsh processing environments
Ordering Information:	SiC A/CRC 221b Kit
Product Advantages:	Smooth non-sag consistency spreads easily, filling holes, gouges and worn areas in one application. Can be applied vertically and overhead at ½" with no sag. Excellent corrosion resistance to a wide range of chemicals Excellent sliding abrasion wear protection
Application Guidelines:	<p><b>Maximum Service Temp 200°F</b>  <b>Working Time 15 minutes</b>  <b>Functional Cure 7 Hours @ 72°F-77°F</b>  <b>Mix Ratio 2/1 By Volume</b></p> <p>*The working time varies according to the temperature of the air, the material, and the surface to which it is applied</p>
Coverage:	Coverage per pound is 30 in <sup>2</sup> (193cm <sup>2</sup> ) at 0.5 in (1.27cm) thickness.
Physical Properties:	<p><b>Appearance: Soft Paste</b>  <b>High Velocity Particle</b>  <b>Wear Resistance (Abrasion Loss) 1.91 cm<sup>3</sup> ASTM C 704</b>  <b>Hardness Shore Scale: 91D ASTM D 2240</b>  <b>Compressive Strength: 11,900 psi ASTM D 695</b>  <b>Flexural Strength: 8,100 psi ASTM D 790</b>  <b>Lap Shear: 2,550 psi ASTM D 1002</b></p>
Chemical Resistance	<p><b>SiC A/CRC resists these chemicals:</b>  Sodium Hydroxide                      Sulfuric Acid&lt; 70%    Mineral Spirits  Ammonium Hydroxide                      Nitric Acid&lt; 10%</p>
Surface Preparation:	The surface to be coated must be free of all rust, scale, dirt, dust, grease, oil, release agents, or other contaminants. Preheat the surface to 100 °F to drive off any moisture. For smooth surfaces or where vibration is a concern, tack weld an open mesh screen or expanded metal approximately 1/16 to 1/8 inch above the surface. Chip off weld slag.
Measuring:	<b>Partial kit usage is not recommended.</b> If you need less than the amount of SiC ACRC accurately weigh or measure by volume the resin and hardener following the mixing ratios shown under Typical Characteristics. <b>Do not attempt to "eyeball" the mixture needed</b>
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Mixing:

Empty all the hardener into the resin and thoroughly mix with heavy-duty, slow-speed drill and mixing paddle until uniform in color, usually 5 to 7 minutes. Remember, incomplete mixing will result in incomplete curing, soft spots, and poor performance.

If the kit becomes colder than 60 °F, preheat the pails in front of a floor heater to a maximum of 90 °F. Excessive heat will reduce the work life. **Do not heat pails with torch.**

Application:

Apply a thin, wet coat to create tack. Repeat applications, building the tack coat to the desired thickness. If a screen or expanded metal is used for reinforcement, push a thick layer through the screen at one end. Spread the Sic A/CRC to the other end, making sure the surface below is covered.

Cure for a minimum of 7 hours at 77 °F/ 25 °C before using the equipment or subjecting Sic A/CRC to media.

### SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD ON, BURN OR TORCH ON OR NEAR, ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.**

Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

### WARRANTY AND DISCLAIMER

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