



# SCI-200-CF

## Polyurea Crack Filler

<b>DESCRIPTION</b>	SCI-200-CF is a two part, high penetration, fast setting, hybrid polyurea for repairing and re-building damaged concrete. This easy-mix 1:1 ratio system is 98 % solids and VOC compliant. The SCI-200-CF can be used to, repair damaged control joints, fill spalled concrete, and rebuild vertical curbs and steps. Sandl can be added to extend the volume of the material and acts as filler for repairing large, holes and cracks.			
<b>WHERE TO USE</b>	<ul style="list-style-type: none"> <li>■ Commercial freezer repairs</li> <li>■ Aircraft hangar floors</li> <li>■ Low temperature equipment</li> <li>■ Maintenance facility floors</li> <li>■ Garage floors</li> <li>■ Industrial shop floors</li> <li>■ Car washes or wash bays</li> <li>■ Forming/ rebuilding stairs and steps</li> <li>■ Concrete polishing and other coating applications</li> <li>■ Non-moving control joint fill</li> <li>■ MIX in a small quantities 250ml to 1lt by hand</li> </ul>			
<b>ADVANTAGES</b>	<ul style="list-style-type: none"> <li>■ Application temperature between -5 C (23F)to 38 C (100F)</li> <li>■ Product cures within 10 minutes @ 22 C (72F) with excellent adhesion</li> <li>■ Self-leveling and self-priming</li> <li>■ Ready to service in 10 to 20 minutes</li> <li>■ Easy to mix 1:1 ratio by volume</li> <li>■ High chemical resistance</li> <li>■ Excellent for industrial floor repairs subject to forklift traffic and harsh conditions</li> </ul>			
<b>TECHNICAL DATA</b>	<b>Packaging</b>	7.56 L (2 US gal.) and 37.8 L (10 US gal.)		
	<b>Color</b>	Part A	Part B	Mix (liquid/cured)
		Black	Amber	Black/Grey
	<b>Shelf Life</b>	12 months in original unopened factory sealed containers. Store in dry cool place between 10 and 32 °C (50 and 89 °F). Keep out of direct sunlight and away from fire hazards.		
	<b>Mix Ratio, by volume</b>	A : B= 1:1		
	<b>Mix Ratio, by weight</b>	A:B = 100:118		
	<b>Pot Life (100 g @ 25°C)</b>	2-3 minutes		
	<b>Cure Time ( @ 22°C)</b>	10-15 minutes		
<b>PROPERTIES @ 23 °C (73 °F) AND 50% R.H.</b>	<b>Solids Content, by volume</b>	Part A	Part B	Mix
		100%	100%	100%
		<b>Solids Content, by weight</b>	Part A	Part B
		100%	100%	100%
	<b>Density (kg/L)</b>	Part A	Part B	Mix
		0.94	1.12	1.11
	<b>Drying Times (Relative humidity 72F – 54%)</b>			
	Hard Dry	5-10 minutes		
	Foot Traffic	10 minutes		
	Vehicle Traffic	30 minutes		
	<b>Tensile Strength (psi), ASTM D638</b>	4500-5200		
	<b>Elongation (%), ASTM D638</b>	6-8%		
	<b>Bond Strength (psi), ASTM D4541</b>	1800-2400		
<b>Compressive Strength (psi) liquid,</b>				



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	<b>ASTM C109</b>	5600		
	<b>Hardness (Shore D), ASTM D2240</b>	68-72		
	<b>Viscosity (cps) @ 25°C</b>	Part A	Part B	Mix
		15-30	15-30	15-30
<b>SURFACE PREPARATION</b>	<p><b>Old Concrete</b> 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.</p> <p><b>New Concrete</b> 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./inch<sup>2</sup>) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch<sup>2</sup>). Shotblasting, sand blasting, and/or diamond grinding is required to remove the surface laitance that appears during the concrete finishing and curing process.</p>			
<b>MIXING</b>	Mix each component separately. Pour component B into component A using the proper mixing ratio. Mix together both components for not more than 20 seconds. Only prepare quantity that may be applied during pot life.			
<b>APPLICATION</b>	Apply and pour the mixed product on the prepared surface.			
<b>CLEANING</b>	Clean all application equipment with a specified cleaner. Once the material hardens it can only be removed mechanically. If the product splatters, wash thoroughly with hot soapy water.			
<b>RESTRICTIONS</b>	<ul style="list-style-type: none"> <li>■ Minimum/Maximum temperature of substrate: 10 °C / 30 °C (59°F / 86 °F).</li> <li>■ Maximum relative humidity during application and curing: 85 %.</li> <li>■ Humidity content of substrate must be &lt; 4 % when coating is applied.</li> <li>■ Avoid exterior use on substrates at ground level.</li> </ul>			
<b>HEALTH AND SAFETY</b>	<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="color: red;"><b>*Consult the material safety data sheet for further information.*</b></p>			
<b>IMPORTANT NOTICE</b>	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.			