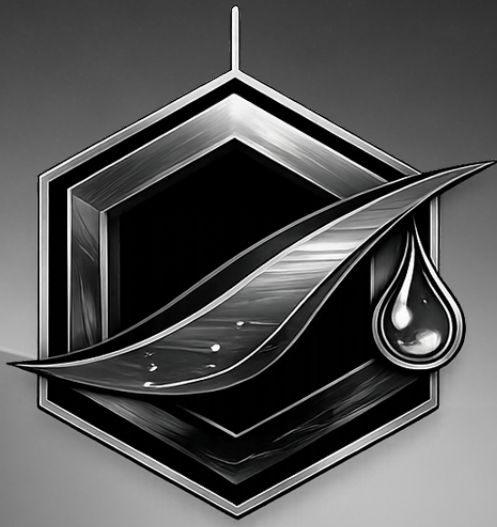




SCI
COATINGS

TECHNICAL DATA SHEET



SCI-200-CF

Polyurea Crack Filler

DESCRIPTION

SCI-200-CF is two components, solventborne polyurethane system. Its high penetration and fast setting allow very quick repairing for damaged joints, fill spalling, etc. Fillers like sand or gravel can be added to the material for repairing larger holes and cracks.

ADVANTAGES

- Application temperature between 10°C / 30°C (50°F / 86°F)
- Product cures within 10 minutes @ 22°C (72°F) with excellent adhesion
- Self-leveling and self-priming
- Ready to service in 10 to 20 minutes
- Easy to mix 1:1 ratio by volume
- High chemical resistance
- Excellent for industrial floor repairs subject to forklift traffic and harsh conditions

PRIMARY APPLICATIONS

- Aircraft hangar floors
- Low temperature equipment
- Maintenance facility floors
- Garage floors & Industrial shop floors
- Car washes or wash bays
- Forming / rebuilding stairs and steps
- Concrete polishing and other coating applications
- Non-moving control joint fill
- Mix in a small quantities 250 ml to 1 lt by hand

TECHNICAL DATA

Packaging	7.56 L (2 US gal.) and 37.8 L (10 US gal.)	
Color	Part A: Black	
	Part B: Amber	Mix (liquid/cured): Grey
Shelf Life	12 months	
Mix Ratio (by volume)	A: B = 1:1 (100:100)	
Mix Ratio (by weight)	A: B = 94:113	
Gel Time (100 g @ 25°C)	1-3 minutes	
Thinner Recommended	Aromatic Naphtha solvent	
Solids Content, by volume	Part A: 45.6%	
	Part B: 60.5%	
	Mix: 53%	
Solids Content, by weight	Part A: 47%	
	Part B: 75%	
	Mix: 61%	
VOC (g/L)	Part A: 511	
	Part B: 310	
	Mix: 397	
Specific Gravity	Part A: 0.95	
	Part B: 1.13	
	Mix: 1.04	
Viscosity @ 25°C cps	Part A: 15-20	
	Part B: 20-30	
	Mix: 15-25	

Physical Properties @ 23°C (73°F), 50% R.H.

Drying Times (Relative humidity 72°F - 54%)	Hard Dry: 5 - 10 minutes Foot Traffic: 30 minutes Vehicle Traffic: 60 minutes
Overcoat @ 22°C (72°F)	20 minutes
Tensile Strength (psi), ASTM D638	4500 - 5200
Elongation (%), ASTM D638	3% - 5%
Bond Strength (psi), ASTM D4541	1800 - 2400
Compressive Strength (psi) liquid, ASTM C109	5600
Hardness (Shore D), ASTM D2240	85-90



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SURFACE PREPARATION

Old Concrete

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. SCI-801 primer is suggested prior to application on porous concrete substrates. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.

New Concrete

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. SCI-100 primer should be used to seal porous concrete surfaces prior to application. All cracks and substrate imperfections should be filled and repaired with SCI-4400 prior to application.

MIXING

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.

APPLICATION

Apply and pour the mixed product on the prepared surface within 20 minutes of application.

CLEANING

Clean all application equipment with a specified cleaner (Aromatic Naphtha solvent or Xylene). Once the material hardens it can only be removed mechanically. If the product splatters, wash thoroughly with hot soapy water.

RESTRICTIONS

- Minimum/Maximum temperature of substrate: 10°C / 30°C (50°F / 86°F).
- Maximum relative humidity during application and curing: 85%.
- Humidity content of substrate must be < 4% when coating is applied.
- Avoid exterior use on substrates at ground level.

HEALTH AND SAFETY

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 irritations, move affected person outdoors to fresh air. Remove contaminated clothes and wash before reuse.

Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke irritation. Avoid eye contact. Contact with product may cause severe burns. Avoid breathing vapors released 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. Always work in a properly ventilated area.

Consult the material safety data sheet for further information.

IMPORTANT NOTICE

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