

GreenRock™ SCP #4982

Product Data Sheet

GreenRock™ SCP is a three component, high strength, 100% solids, thermosetting poly-matrix-oligomeric compound used to support anchors in all types of foundation designs. **GreenRock™ SCP** exhibits extremely high physical properties and negligible shrinkage, making it ideal for final positioning and alignment of railroad track equipment. Anchors for railroad fasteners and supports are just a few types of equipment supported by **GreenRock™ SCP** matrix.

GreenRock™ SCP carries the **U.S. Green Building Council LEED's** certification.

GreenRock™ SCP has the following advantages when compared to conventional cementitious or wooden materials:

- Impervious to oil and chemical attack
- Pre-packaged SCP unit/kit
- Higher physical strengths
- Cures faster
- Strong bond to metal and concrete
- Superior resistance to fatigue

GreenRock™ SCP contains no Hazardous Air Pollutants (HAP), Volatile Organic Compounds (VOC), or Styrene. There are no reactive diluents which could interfere with the curing mechanism or which could cause material loss during or after cure. Anchoring components may be positioned at their final elevation and alignment before pouring. Critical alignments are maintained during machinery operation due to **GreenRock™ SCP's** high dimensional stability and resistance to creep and vibration.

GreenRock™ SCP may be mixed in a two (2) cubic foot portable, electric mixer. It is crucial to thoroughly mix catalyst (part A) into resin (part B) before mixing in filler (part C). Slowly add filler until thoroughly mixed. Do not whip air into mix. Where a very flowable mix is required, the filler content may be reduced accordingly. Contact the **GreenRock™ SCP** representative or Construction Polymers Company before reducing the filler.

Curing:

For ambient temperatures between 55°F and 70°F (13°C and 21°C) completely empty all packaged components (resin, catalyst, filler) during the mixing process.

Maximum cure times represent the amount of time required to produce ultimate compressive strength. Additional curing and higher strengths will be achieved over time.

PLEASE NOTE: **GreenRock™ SCP** cure rates and flowability is reduced at low temperature (below 55°F). All packaged components (resin, catalyst, filler) must be stored in ambient conditions, between 55°F and 70°F, for at least 24 hours prior to use. It is ideal to keep **GreenRock™ SCP** materials in a dry and well-

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protected area until the job site is fully prepared for mixing and placement. Do not store materials in direct sunlight.

GreenRock™ SCP PHYSICAL PROPERTIES

Compressive Strength:	10,000 psi
Flamespread Rating:	Class A (I)
Flexural Strength:	3,000 psi
Flexural Modulus of Elasticity:	2.34×10^6 psi
Linear Shrinkage:	Not measurable
Pot Life:	45 minutes
Density:	145 lbs/cubic ft.
Tensile Strength:	1,250 psi
Shelf Life:	6 months (unopened)

GreenRock™ SCP Packaging:

Resin (Part A):	(1) / 25.5 lb. Pail
Catalyst (Part B):	(4) / 3 oz. Bottle
Filler (Part C):	(3) / 40 lb. Bags



THE MANUFACTURER RESERVES THE RIGHT TO AMEND, REVISE, AND/OR UPDATE INFORMATION CONTAINED IN THIS DOCUMENT.

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