



ROCKHARD™SCP Structural Product Data Sheet

ROCKHARD™SCP Structural is a three component, high strength, 100% solids, thermosetting poly-matrix-oligomeric compound used to support structural components in all types of foundation and grouting applications. **ROCKHARD™SCP Structural** exhibits extremely high physical properties and negligible shrinkage that is also chemically resistant.

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

ROCKHARD™SCP Structural displays the following outstanding features & benefits:

- High strength
- High impact resistance
- Excellent vibration resistance
- Superior resistance to a wide range of chemicals & oils
- Excellent flowability
- Fast setting & fast curing
- Good UV stability
- Pre-packaged SCP unit/kit
- Strong bond to metal, concrete, and fiberglass composites
- Superior resistance to fatigue

ROCKHARD™SCP Structural can be used in grouting many types of equipment and/or where heavy loads, high impact, and vibrations are a factor. These applications include:

- Anchor Bolts
- Compressors
- Generators
- Pumps
- Building Columns
- Conveyors
- Centrifuges
- Paper Mill Machines
- Utility Poles

ROCKHARD™SCP Structural 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 **ROCKHARD™SCP Structural** high dimensional stability and resistance to creep and vibration.

ROCKHARD™SCP Structural 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. **ROCKHARD™SCP Structural** can also be mixed in smaller quantities by using a portable electric drill, such as a Bosch 10.5 amp motor, 1,260 rpm, variable speed, 7/8" torque drill. Contact the **ROCKHARD™SCP Structural** representative or SolidCast Polymer Technology 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: ROCKHARD™SCP Structural 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 **ROCKHARD™SCP Structural** materials in a dry and well-protected area until the job site is fully prepared for mixing and placement. Do not store materials in direct sunlight.



ROCKHARD™SCP Structural Product Data Sheet

ROCKHARD™SCP Structural

TYPICAL PHYSICAL PROPERTIES

Compressive Strength:	12,000 psi
Flamespread Rating:	Class A (I)
Flexural Strength:	3,400 psi
Flexural Modulus of Elasticity:	5.65×10^5 psi
Linear Shrinkage:	Not measurable
Pot Life:	45 minutes
Density:	140 lbs./cu.ft.
Tensile Strength:	1,250 psi
Shelf Life:	6 months (unopened)

ROCKHARD™SCP Structural

Packaging: (Each unit/kit covers approx. 1.28 cu. ft.)

Resin (Part A):	(1) / 25.5 lb. Pail
Catalyst (Part B):	(2) / 3 oz. Bottle
Filler (Part C):	(4) / 40 lb. Bags



Before using read and follow the MSDS guidelines precautions and first aid directions carefully.

Use this reference as a guide only. The information is believed to be reliable, but no guarantee is made nor do we assume liability in connection with its use.

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