



A GIBRALTAR INDUSTRIES COMPANY

14305 Southcross Drive,  
Suit 200  
Burnsville, MN 55306  
1-800-328-5934



# CAP SEAL RS EPOXY DATA

## PRODUCT DESCRIPTION.....

Covert Cap Seal RS is a two-part, non-sag, solvent-free, moisture insensitive, fast setting epoxy designed for the efficient sealing of surface cracks and injection port placement prior to a structural crack injection. Product cures to fingernail hardness after as little as 20 minutes.

## GENERAL USES.....

Cap Seal RS is ideally suited for several applications requiring strength and durability including:

- Crack sealing and port placement
- Structural crack injection
- Waterproof sealant
- Bonding between existing and new concrete
- Surface patching and spall repair
- Security sealant

## FEATURES....

- Fast-curing structural repair epoxy.
- Low odor, low toxicity, non-shrink, 100% solids.
- Moisture insensitive – damp or wet applications.
- Easy troweling when used as a spall repair material
- High bond and tensile strength and good modulus properties.
- Easy to use, cost effective, and reliable application system.
- Material can be used on overhead and vertical surfaces.
- Meets ASTM C881 Type I & II, Grade 3, Classes A, B, & C.
- High viscosity, non-sag gel paste.
- Resistant to oils, salts, and mild chemicals.

## MATERIAL STORAGE.....

- Optimum storage temperature is between 55°F and 85°F.
- Prevent material from freezing
- Condition material to room temperature prior to mixing.

## SHELF LIFE.....

One year in properly stored, sealed, unopened containers in factory delivered condition.

## MIX RATION.....

(1) part component A : (1) part component B by volume.

## CONSISTENCY.....

Smooth paste, non-sag gray adhesive.

## WORKING AND CURE SCHEDULE.....

Substrate Temperature (°F)	Working Time (minutes)	Minimum Cure Time (minutes)
80+	6	20
70-79	6	20
60-69	7	30
50-59	8	45
40-49	9	60
32-39	10	90

**MATERIAL SPECIFICATIONS AND CURED PROPERTIES.....**

(ASTM D695) Compressive Strength	8600 psi	1 day cure at room temperature
(ASTM D695) Compressive Strength	9200 psi	7 days cure at room temperature
(ASTM D638) Tensile Strength	3300 psi	1 day cure at room temperature
(ASTM D229) Tensile Elongation	0.2%	
(ASTM C882) Bond Strength	3000 psi	2 day cure at room temperature
(ASTM D732) Shear Strength	2500 psi	1 day cure at room temperature

**CLEANING.....**

Prior to curing, Cap Seal RS can be removed from tools and equipment using xylene or lacquer thinners.

**LIMITATIONS.....**

Application at ambient temperatures below 32°F is not recommended. Exposure to temperatures exceeding 110°F for prolonged periods is also not recommended. For best results, apply material to a clean and dry substrate.

**PRECAUTIONS.....**

Always use and wear protective clothing, gloves, and safety glasses when handling this and any other chemical product. Read warning notes on product package and refer to Material Data Safety Sheet (MSDS) prior to use.

**WARRANTY.....**

United Steel Products Company warrants its products to be free from defects in material and workmanship. Said products are further warranted as to adequacy of design, provided products are used in strict accordance with United Steel Products Company's current published design limits and are installed in a workmanlike manner. (Said warranties do not apply in the event products are cut, notched, welded, drilled or in any way altered). No warranty applies if deterioration occurs due to environmental conditions. United Steel Products Company's obligations under this warranty shall be limited to the replacement or repair of those products demonstrated to be defective. Such remedy shall constitute Customer's sole and exclusive remedy and Customer hereby agrees that no other remedy (including, but not limited to claims for INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, OR ANY CAUSE, LOSS, ACTION, CLAIM OR DAMAGE, INCLUDING LOSS OF TIME, WHATSOEVER, OR INJURY TO PERSON OR PROPERTY OR ANY OTHER CONSEQUENTIAL DAMAGE OR INCIDENTAL OR ECONOMIC LOSS) shall be available to Customer whether said claims be asserted on the basis of warranty, negligence, strict liability or otherwise. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL SUCH OTHER WARRANTIES BEING HEREBY EXPRESSLY EXCLUDED.