

500 STRUCTURAL EPOXY GEL (SEG)

DESCRIPTION

#100 100% solids
 1:1 mix ratio
 30 minutes pot life
 12 hours cure time
 non sag gel

**ASTM C881
 TYPE I, II, IV & V
 GRADE 3
 CLASS B & C**

A

Manufacturer

CPR Products, Inc.
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Benefits

- Low odor
- Easy 1:1 mix ratio
- No shrinkage
- Excellent adhesion to concrete, wood and metals
- Smooth consistency, easy to feather edge
- Non sag

How to use

Surface Preparation:

Before application of compound, surface must be clean and sound. Remove all dirt, laitance, grease, curing compounds and other foreign matter. Roughen surface with wire brush or wire wheel.

PROPERTIES OF #500 SEG

Mix Ratio	1:1 by volume
Pot Life	30 minutes
Cure Time	12 hours
Consistency	non sag gel

@77°F

Cured Properties

Compressive Strength	12,500 psi
Compressive Modulus	470,000 psi
Tensile Strength	8,250 psi
Tensile Modulus	352,000 psi
Tensile Elongation	2%
Flexural Strength	14,500 psi

Mixing:

Blend one Part A with one Part B by volume until uniform gray color [no streaks]. Incorrect mix ratio will prevent proper cure. Do not mix more than can be used within 20 minutes.

Application:

Sealing Cracks

Mix # 500 SEG as previously described, then, using a putty knife or margin trowel fill the crack to be over layed with carbon fiber as deep as possible then remove all excess material adjacent to the crack.

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Limitations/ Precautions

Temperature of substrate must be above 40°F. New concrete must be at least 28 days old. Alteration of #500 with solvents for thinning purposes will prevent proper cure.

Danger! Causes severe eye and skin burns. May cause blindness. Harmful if swallowed. May cause allergic reaction. Do not get into eyes, skin or clothing. Use safety glasses and wear protective rubber gloves. Avoid breathing vapor or mist. Keep container closed. Use only in well ventilated areas. In case of contact, wash immediately with soap and water. Keep away from all food and food containers.

Cleaning

All tools and equipment should be cleaned before the system gels. Use M. E. K. Or safety solvent when necessary.

Packaging

- 2 gallon unit

Storage

#500 SEG should be stored in dry environment between 60-80°F.

Technical Service

Complete technical service and specification services are available from the manufacturer and their authorized representatives.

Warranty

All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct. CPR Products, Inc. warrants its products to be free of manufacturing defects and that at the time and/or place of shipment our material will meet current published physical properties when applied with ASTM and CPR Products, Inc. standards. CPR Products, Inc. liability is limited to the replacement of the material if found to be defective. As CPR Products, Inc. has no control of the use to which others may put its products, it is recommended the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect, engineer, contractor and the owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.

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