

T E C H N I C A L D A T A

#10/35 ANCHORING EPOXY

DESCRIPTION

#10/35 is a two component, moisture insensitive, high modulus, structural epoxy bonding gel. #10/35 is 100% solids, solvent free, low odor, high strength and non-sag. Used for sealing cracks and setting injection ports, anchoring dowels, and vertical/overhead structural patching.

ASTM C881
TYPE I
GRADE 3
CL5 SSES B & C

Manufacturer

CPR Products, Inc.
1315 West Lark Industrial Dr.
St. Louis, MO 63026
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Benefits

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

WHEN USED FOR CRACK INJECTION:

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.

Mixing:

Premix each component. 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 10 minutes.

Application:

Setting surface mount ports
Prepare a small batch of #10/35 for use as an adhesive for setting ports. Apply a thin bead of material around the perimeter of the ports' base.

PROPERTIES OF #10/35

Mix Ratio	1:1 by volume] @77°F
Pot Life	2-4 minutes	
Gel Time	10 minutes	
Tack Free Time	35 minutes	
Consistency	non sag gel	
Initial Cure	4 hours	
Final Cure	3 days	
Compressive Strength	12,250 psi	
Compressive Modulus	435,000 psi	
Tensile Strength	7,460 psi	
Tensile Elongation	1.1%	
Heat Deflection Temperature	151 F°	
Bond Strength [14 days]	3,410 psi	
Absorption	< 0.5%	

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Application continued:

Center barrel of port over crack and press into place. Be careful not to plug the opening in the bottom of the port.

Sealing crack

Mix additional surface seal material as previously described, then, using a putty knife or margin trowel seal off the crack and around the base of each port. Use forceful strokes of the putty knife or margin trowel while sealing in order to ensure proper bond to roughened concrete surface. Apply approximately 1/8" thick layer of material by 3" wide over the center of the crack.

Limitations/ Precautions

Temperature of substrate must be above 40°F. New concrete must be at least 28 days old. Alteration of #10/35 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

- 22 oz. Dual Cartridges packed 12 sets per case

Storage

#10/35 should be stored in a 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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