

HYDRO FLEX S-C

DESCRIPTION

HYDRO FLEX is a single component, pre-catalyzed hydrophobic polyurethane chemical grout. When it comes in contact with water it expands up to 20 times its original volume to form a permanent, flexible and water-tight seal. Packaged in easy to use 10.3 oz. caulk cartridges.

APPLICATIONS INCLUDE:

- Cracks in Concrete
- Void Filling
- Swimming Pools
- Tunnels

Manufacturer

CPR Products, Inc.
1315 West Lark Ind. Park.
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Benefits

- Single component [no separate catalyst required]
- Extremely flexible
- Expands up to 20 times original volume.
- No mixing or expensive dispensing equipment

How to use

Surface Mount Port Application

The surface of the crack should be cleaned and roughed with wire brush or wheel to allow for better surface seal bond to concrete. Prepare a small batch of epoxy surface sealer material. Apply a thin bead of material around the perimeter of the ports' base. Center the barrel of the port over the crack and press into place. Space ports

approximately every 6" along crack. Mix additional surface seal material and seal off the crack and around the base of each port. Apply approximately 1/8" thick layer of material by 3" wide over the center of the crack.

Injection Procedure

Prior to injecting Hydro Flex, flush crack with clean water beginning at the top port. Allow water to thoroughly drain from ports. Cut 1/8" max. off tip of nozzle.

PROPERTIES OF HYDRO FLEX S-C

Appearance	Amber Liquid	} @77°F
Viscosity	600 cps	
Induction Time	5 minutes	
Cure Time	1 1/2 Hours	

Cured Foam Test Results

		Restricted Rise	Free Rise
Tensile Strength	ASTM D-638	2200 psi	300 psi
Elongation	ASTM D-638	400%	400%
Shrinkage	ASTM D-2126	0%	0%
Tear Resistance	ASTM D-624	400 psi	55 psi
Density	ASTM D-1622	65 lbs/ft.	10 lbs/ft.

* Results are based on cured foam.
Properties may vary depending on job conditions.

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Application Procedure Cont.

Place cartridge in caulking gun and insert tip into bottom port.

Beginning at the lowest port, slowly inject the Hydro Foam with steady pumps. Pump until resin/foam appears at the next port above. Cap filled port and repeat dispensing procedure into the next port until all injection ports are filled. Once initial injection procedure is complete make a visual inspection of each port. This is to ensure complete penetration.

For additional application procedures contact CPR Products, Inc.

Limitations

- Not for use as a structural repair. Use #1001 Epoxy injection Resin.
- Not for use when surface temperature is below 45°F or above 90°F.
- Not for use in high volume water flow applications.

Precautions

Use safety glasses or chemical goggles and gloves when handling materials. Avoid breathing vapors. Vapor over-exposure may cause respiratory irritation, central nervous system depression, and allergic reaction. Use adequate ventilation. In case of skin contact, remove any contaminated clothing. Wash area of contact with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. Contact physician immediately.

Packaging

- 10.5 oz. Single cartridges [fits standard caulking gun] packed 12 per case.

Storage

Materials must be stored in dry conditions below 80°F. Under proper conditions, the shelf life is 6 months in unopened containers.

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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