



## HYDRO-POX 251

### DESCRIPTION:

**HYDRO-POX 251** is a time proven 100% solids, 2-component, 2:1 by volume Epoxy Lining System. **HYDRO-POX 251** is a stress dissipating very low viscosity primer/saturant epoxy system with exceptional wetting characteristics. **HYDRO-POX 251** is designed as a deep penetrating primer sealer that can reinforce porous substrates. **HYDRO-POX 251** combines the unique features of broad chemical resistance and very high die-electric strength. **HYDRO-POX 251** cures down to 40F and completely cures at 100% relative humidity, with NO VOC'S and extremely quick turn around time.

### USES:

Designed as a deep penetrating, saturating resin system primer/sealer/injection/laminating/potting compound. **HYDRO-POX 251** thickened with **HYDRO-THIX** (see data-sheet) rheology modifier produces mayonnaise consistency 100% solids spray applied surfacing compounds for filling bugholes/rock pockets in concrete, making fillets, or joint filling applications. For immersion and non-immersion applications to protect steel, cast iron, concrete, FRP and other difficult to adhere to substrates in above and below grade water, wastewater and chemical containment, and atmospheric applications.

Typical Applications include but are not limited to:

- Priming concrete and other above and below grade substrates.
- Crack Injection, Pressure or gravity.
- Chemically resistant concrete sealers
- Composite fabrication: laminating fiberglass, fillets, syntactic foams.
- Potting compounds electrical applications.
- Surfacing compounds when thickened.
- All minimum downtime applications above and below grade.

### APPLICATION INSTRUCTIONS:

#### LIMITATIONS:

Apply when substrate temperatures are above 40F. For optimum application properties, bring material to 70-80F prior to mixing and application. Unmixed material should be maintained in protected storage between 40-100F.

#### SURFACE PREPARATION:

CLEAN ALL SURFACES. Substrate must be sound, clean, free from oil and grease. Curing compound residues and any foreign matter must be thoroughly removed. Surface preparation is best accomplished by mechanical means, such as abrasive air blasting or by high pressure water blasting. For immersion service on steel an SSPC SP-10 is a recommended minimum. For immersion or gas area service on concrete reference applicable SSPC/NACE/ASTM Standards.

#### APPLICATION:

- Mix ratio: 2:1 by volume
- Gel time @ R.T. (200 gram mass): 30 minutes, (2-gallon mass): 15 minutes
- Method of Application: Brush, Roll, and Squeegee, Pour or Spray.
- Application Temperature Range 40-140F

- Thinner: NOT RECOMMENDED
- Clean up: MEK, Lacquer Thinner, Toluene, and Xylene. Cured material-mechanical removal.

Temp. (F.)	Pot Life (Hrs:Min)	Cure Time (Hours)	Minimum Recoat Time(Hours)	Maximum Recoat Time(Hours)
50	0:35	50	no minimum	Same day
77	0:20	15	no minimum	Same day
90	0:12	10	no minimum	Same day

Note: The above values are approximate depending on coating thickness and surface temperatures. Below 40F cure is significantly retarded and film properties may be degraded.

**MIXING:**

Material is supplied as a unit. Always mix a complete unit in the proportions supplied. For 1.5-gallon kits, combine entire contents of "A" and "B" components and mix thoroughly of 3 minutes or until material is completely homogenous, with a power mixer, apply immediately.

**THINNING:**

DO NOT THIN. For optimum application properties, bring material to 70-80F prior to mixing and application.

**CLEAN-UP**

Clean all tools immediately after use with Toluene, Xylene, MEK, or Lacquer thinner. It is good practice to periodically flush spray equipment during the course of the day – certainly before any work stoppage for lunch breaks etc.

**PACKAGING/STORAGE:**

**HYDRO-POX 251** is available in 1.5 and 150 gallon kits. All containers should be kept closed in dry protected storage between 40-100F.

**HEALTH AND SAFTY:**

Before use all operators and applicators must consult the Material Safety Data Sheet (Parts A and B). Wear Protective clothing, gloves, goggles, and organic vapor respirator.

**DISCLAIMER AND LIMITED WARRENTY:**

**CCI/CON-TECH OF CALIFORNIA INC.** warrants its product to be free of manufacturing defects. Our products will meet our published physical properties when applied in accordance with our directions and tested in accordance with our standards. Proven defective material will be replaced on a limited one-year warranty. Applicators have a legal responsibility for proper application methods as per instructions and specifications. There are no warranties by CCI of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. CCI shall not be liable for any damages of any sort, including any removal or consequential damages, resulting from any claimed breach of implied, including any warranty of merchantability or fitness for a particular purpose, or from any other cause whatsoever. CCI shall also not be responsible for the use of this product in a manner to infringe on any patent held by others.