



HYDRO-POX 204 UHB

DESCRIPTION:

HYDRO-POX 204 UHB is a time proven 100% solids, 2-component, 1:1 by volume Epoxy Lining System. **HYDRO-POX 204 UHB** offers unlimited film build, (30-125mils) edge hang and combines the unique features of broad chemical resistance to acids, bases and excellent resistance to cathodic disbondment, and immediate return to service. **HYDRO-POX 204 UHB** cures down to 40F and completely cures at 100% relative humidity. High film build is obtained in a single coat, multiple pass application with NO VOC'S and extremely quick turn around time. Several Wastewater Agency approvals.

USES:

Designed as a monolithic corrosion control lining system for immersion and non-immersion applications to protect steel, cast iron, concrete, FRP and other substrates in above and below grade water, wastewater, saltwater, chemical containment, and atmospheric applications. **HYDRO-POX 204 UHB** is particularly useful in minimum or no downtime applications

Typical Applications include but are not limited to:

- All Potable Water Tanks, Pipes, Treatment Structures; Concrete and Steel.
- All Wastewater Tanks, Pipes, Treatment Structures; Concrete and Steel.
- All Saltwater Tanks, Pipe, Piles, Concrete and Steel
- Secondary Containment of all Process Chemicals used in the treatment of Potable Water and Wastewater, other chemical process industries.
- Repair of existing Coal tar, Coal tar epoxy, FBE, and Epoxy linings.
- All minimum downtime applications above and below grade, and above and below the water line

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, dry, and 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: 1:1 by volume
- Gel time @ R.T. (200 gram mass): 25 minutes, (2-gallon mass): 15 minutes
- Method of Application: High Pressure Temperature Controlled Plural Component Airless Spray Equipment. (Contact manufacturer for specifications)

- Application Temperature Range 40-130F
- Thinner: NOT RECOMMENDED
- Clean up: MEK, Lacquer Thinner, Toluene, and Xylene. Cured material, mechanical removal.

Temp. (F.)	Cure Time (Hours)	Minimum Recoat Time (Hours)	Return to Service Time (Hours)
50	12	no minimum	24
77	8	no minimum	12
90	6	no minimum	12

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. Use High-Pressure Heat Traced Plural Component Metering Equipment. Small quantities for touch or small areas may be hand mixed by Volume at 1:1, 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 120-140F prior to mixing and application. (Contact Manufacturer)

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 204 UHB is available in 2,10 and 100 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 WARRANTY:

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.