



HydraTech 8001 WATERLINE EPOXY

FAST FACTS	PHYSICAL PROPERTIES	
<ul style="list-style-type: none"> • A High Build, solvent free epoxy lining system. • Approved for potable water contact in the United States (ANSI/NSF 61). • Low temperature cure down to 37°F (3°C). • Fast recommissioning time at minimum cure temperature of 37°F (3°C). • Fully trained application specialists. • Compatible with a variety of substrates. • Full contract support services, when required. 	Color Mix Ratio (by volume) Working Life – 68°F (20°C) Drying Times – 40°F (3°C) Wet Film Thickness (mils) Dry Film Thickness (mils) % Volume Solids Theoretical Coverage Rate (m/l)	Base - Black Hardener - White Mixed - Gray 2:1 V/V Base:Hardener 20 Minutes Touch - 3 Hours Hard - 6 Hours Useable -16 Hours 40 (1000µ) 40 (1000µ) 100 1
<p>A HIGH BUILD, SOLVENT-FREE, EPOXY LINING SYSTEM FOR POTABLE WATER APPLICATIONS.</p> <p>The HydraTech Waterline product is a fast-curing, solvent-free epoxy coating.</p> <p>To date, potable water contact approval has been granted by:</p> <ul style="list-style-type: none"> • NSF International (ANSI/NSF 61) United States for pipe ≥ 4 inches in diameter and tanks ≥ 5 gallons 	Flash Point Storage Life Tensile Strength (MPa) Elongation at Yield (%) Young's Modulus (MPa) Compressive Yield Strength (MPa) Flexural Strength (MPa) Coating to Concrete Bond Strength (N) Coating to Metal Bond Strength (N)	Above 212°F (100°C) Twelve months when stored in original sealed containers, between 50-77°F (10-25°C) 22.26 1.18 1814 118.67 38.21 3316 2808
PRODUCT INFORMATION INCORPORATING TECHNICAL AND HEALTH & SAFETY DATA	APPLICATION RECOMMENDATIONS	
<p>SUGGESTED USE:</p> <p>A low temperature cured lining system for equipment, vessels and pipes which require approval for contact with drinking water for human consumption.</p> <p>SURFACE PREPARATION:</p> <p>Surfaces must be sound and free from grease, dust and, if possible, all moisture.</p>	Minimum Application Temperature Maximum Relative Humidity Substrate Temperature Thinning Brush/Roller Application Airless Spray Application Cleaning Fluid	40°F (3°C) 85% 5°F (3°C) above dew point Not Recommended Multi-coats are necessary to achieve correct film thickness. To aid application at low temperatures, both components should be warmed to 60-68°F (15-20°C) prior to mixing. Mix and apply as quickly as possible. See attached Airless Spray Details page. Universal Equipment Cleaner



PHYSICAL DATA	FIRST AID PROCEDURE
<p>APPEARANCE: Base – Black Thixotropic Liquid Reactor – White Liquid</p> <p>ODOR: Base – Very Mild Reactor – Strong Amine Odor</p> <p>COMPOSITION: Base – Epoxy Resin, Iron Oxide, Thixatropo Reactor – Aliphatic Amine, Silica, Titanium Dioxide</p> <p>% VOLATILES: Base – 0% Reactor – 0%</p> <p>FLASH POINT (Abel Closed Cup): Base – 212°F (100°C) Reactor -212°F (100°C)</p> <p>O.E.L. (8 Hours): Base – Unknown Reactor – Unknown</p> <p>LD50 (Indications Only): Base – Unknown Reactor - Unknown</p>	<p>INHALATION: Effect – Headache, dizziness. Emergency First Aid – Remove into fresh air; loosen collar; do not walk around.</p> <p>SWALLOWING: Effect – Irritation. Emergency First Aid – Do not induce vomiting; seek medical advice.</p> <p>EYES: Effect – Irritation. Emergency First Aid – Flush with clean water for ten minutes; seek medical advice.</p> <p>SKIN: Effect – Irritation. Emergency First Aid – Remove contaminated clothing, wash thoroughly with soap and water.</p>
	SPILLAGE
<p>INHALATION: Wear suitable respiratory cartridge mask in enclosed spaces. Work in well ventilated areas.</p> <p>EYES: Wear suitable goggles.</p> <p>SKIN: Wear protective clothing and gloves made of impervious material.</p> <p>STORAGE: Store away from direct sunlight and sources of heat. Do not allow temperature to exceed 77°F (25°C).</p>	<p>CLEAN-UP METHOD: Scrape up excess material or absorb onto sand or sawdust and place in sealable containers. Ventilate area, avoid inhalation of vapors.</p> <p>WASTE DISPOSAL: See MSDS.</p>
PERSONAL PROTECTION	FIRE
	<p>EXTINGUISHING METHODS: Fire Carbon Dioxide, Dry Powder, Water Mist.</p> <p>SPECIAL PROCEDURES: Do not inhale vapors.</p> <p>UNUSUAL HAZARDS: Dangerous to aquatic life. Do not let uncured material enter the water course.</p>
AIRLESS SPRAY DETAILS	
<p>EQUIPMENT:</p> <p>SPRAY TEMPERATURE:</p> <p>SPRAY PRESSURE:</p> <p>NOZZLE SIZE:</p> <p>WORKING TIME: (@104°F [40°C])</p>	<p>Dual component feed hot airless spray</p> <p>95-115°F (35-45°C)</p> <p>Minimum 2200 psi at the tip</p> <p>19-21 thou tip 60° nozzle angle</p> <p>Maximum 5 minutes</p>