

501-02

BPA FREE
100% SOLIDS EPOXY SYSTEM
TECHNICAL DATA



A BPA free epoxy coating offering high performing characteristics to overcome issues with corrosion, microbial attack, sewer gases, and abrasion.

★ PRODUCT DESCRIPTION

Since our inception, we've focused on manufacturing products that protect our nation's infrastructure, the environment, and the people who use them. Our 501-02 aligns with that focus and serves as one of the first BPA free epoxy products in the industry.

FEATURE / BENEFITS

BPA FREE: Removes the risk of adverse health effects

NSF/ANSI/CAN 61: Safe for potable water contact allowing for versatility in assets that can be protected or rehabilitated

AQUATIC SAFE: Independently tested per EPA 2007.0 to ensure no adverse impacts on aquatic life

ZERO VOC (VOLATILE ORGANIC COMPOUNDS) AND STYRENE FREE: Safe for workers, the community, and the environment

HIGHLY ADHESIVE: Intimately bonds to host structure to prevent damage to substrate

100% SOLIDS: Non-explosive, non-flammable, more reliable cure, higher quality and performance

SINGLE COAT UP TO 500 MILS: Eliminates the risk of coating interface delamination, reduces the cost of resurfacing the substrate, eliminates the need for underlayment, and underlayment waiting period

CORROSION RESISTANT: Stands up to harsh chemical exposures and highly corrosive environments

RESISTANT TO GROUNDWATER PRESSURE: Prevents infiltration - reducing the costly treatment of rain and groundwater

STRUCTURAL RESTORATION AND ENHANCEMENT: Capable of strengthening assets to an improved or line new condition

MULTIPLE VISCOSITIES: Viscosity based on desired dry film thickness (DFT) to achieve one coat high build without sagging

🔗 CERTIFICATIONS

This product has been tested and certified by WQA against NSF/ANSI/CAN 61 for use in tanks >450 gallons at a 125 mil - 250 mil coat thickness. Safe for aquatic life per EPA 2007.0



Certified to NSF/ANSI/CAN 61



🌀 APPLICATION SYSTEM

Warren epoxy products are applied by a patented heated meter/mix plural-component spray, trowel, brush, pour and squeegee. Warren Environmental products are applied by trained/approved applicators.

📦 STORAGE AND USE

Epoxy Coatings: Shelf life is one year from the date of shipment. Materials are to be kept dry, protected from weather, stored under cover, and stored between 33°F and 120°F. Do not store near flame or heat.

Return to Service: After installation wait until the epoxy is cured to touch.

💧 SURFACE PREPARATION GUIDELINES

Concrete: SSPC-13/NACE No. 6 with a clean substrate profile of CSP 4-6 per ICRI No. 310.2R-2013

Steel: SSPC-SP 10/NACE No. 2 Near White Blast Cleaning. A minimum angular profile of 3-5 mils.

Ductile or Cast-Iron: NAPF 500-03, solvent, hand tool, power tool, and/or abrasive blast to remove all oil, grease, asphalt, cement or other loosely adherent deleterious contaminants and achieve a minimum angular surface profile of 3-5 Tightly adherent annealing oxide can remain.

Contact Warren for other substrates.

⚠️ SPECIAL SAFETY AND HANDLING

Components are hazardous materials before being mixed. Consult the corresponding Safety Data Sheets before using.



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TYPICAL PROPERTIES

LIQUID PROPERTIES

Viscosity	4,900 cps
Thixotropic Index	2.00 - 1.00
Specific Gravity (overall/combined 1.18)	Part A (1.25) / Part B (1.0167)
Flash Point (Closed cup)	>235°F
Color	
Geltime (200g@70°F)	45 minutes
Thin Film Set (@70°F)	90 minutes
Thin Film Set (@40°F)	350 minutes

PHYSICAL PROPERTIES

Color	Off white
Tensile Strength (ASTM D638)	4,246 psi
Flexural Strength (ASTM D790)	6,023 psi
Flexural Modulus (ASTM D790)	386,174 psi
Compressive Strength (ASTM D695)	7,763 psi
Glass Transition Temperature (ASTM D3418)	151°F
Tensile Elongation @ Break	3.6%
Shore D Hardness	87
VOC	0 g/L (EPA Method 24)

DISCLAIMERS

Always read associated Safety Data Sheets (SDS) before working with any product. SDS can be requested by calling our office at **508.947.8539** or emailing us at **info@warrenenviro.com**. All values reported within this document are typical values and are reported as a means of reference. Individual testing should be done to determine actual results, tested in specific conditions. If you witness unethical or incorrect practices related to the use or application of any Warren Environmental product, please contact us immediately at **508.947.8539**.

WARRANTY

Warren typically offers a one year warranty. Additional information will be provided upon request.

ISO 9001

Warren Environmental is a ISO 9001:2015 certified company.