

## SELECTION & SPECIFICATION DATA

<b>Type</b>	Polyamide Epoxy
<b>Description</b>	Novocoat SP2000WHB is a high build epoxy lining that forms a tight bond, even to damp and marginally prepared surfaces including tightly adhered rust. It protects steel and concrete chemical containment structures against organic acids, alkalis and salts.
<b>Features</b>	<ul style="list-style-type: none"> <li>• 100% solids, no VOCs</li> <li>• Excellent immersion resistance</li> <li>• Long-term wear protection</li> <li>• 30+ mils in a single coat</li> <li>• Meets AWWA 210 performance requirements</li> </ul>
<b>Uses</b>	<ul style="list-style-type: none"> <li>• Tank linings</li> <li>• Secondary containment</li> <li>• Multipurpose epoxy</li> </ul>
<b>Color</b>	Light gray
<b>Finish</b>	Gloss
<b>Dry Film Thickness (DFT)</b>	25 – 40 mils per coat
<b>Solids Content</b>	99 – 100% by volume

## SUBSTRATES & SURFACE PREPARATION

<b>All</b>	Substrate must be clean, dry and free of contaminants.
<b>Steel</b>	<p>Immersion: SSPC-SP 10/NACE 2 Near White Metal Blast with angular profile of 2.5 – 3.5 mils.</p> <p>Non-immersion: SSPC-SP 6/NACE 3 Commercial Blast with angular profile of 1.5 – 3.0 mils, SSPC-SP 2 Hand Tool or SSPC-SP 3 Power Tool Cleaning are suitable for mild environments.</p> <p>Self-priming on steel.</p>
<b>Concrete or Concrete Masonry Unit (CMU)</b>	Concrete must be cured 28 days at 75°F (24°C) and 50% relative humidity or equivalent. Prepare surfaces in accordance with SSPC-SP 13/NACE 6. Required surface profile is CSP 3-5. Voids in concrete surfaces may require filling. Mortar joints should be cured a minimum of 15 days. Prime with Novocoat SC1100 Primer/Sealer.
<b>Previously Painted Surfaces</b>	Consult with ErgonArmor Technical Service.

## SAFETY

<b>Safety</b>	Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.
<b>Ventilation</b>	Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

## MIXING & THINNING

<b>Ratio</b>	3A:1B by volume for plural spray
<b>Mixing</b>	For single leg spray, brush or roller, do not mix partial kits. Power mix parts A and B separately then combine and power mix.
<b>Thinning</b>	<p>Spray: Up to 6.5 oz/gal (5%) with Novocoat TH1710 Thinner</p> <p>Brush: Up to 16 oz/gal (12%) with Novocoat TH1710 Thinner</p> <p>Roller: Up to 16 oz/gal (12%) with Novocoat TH1710 Thinner</p>
<b>Pot Life</b>	<p>30 minutes at 77°F (25°C)</p> <p>15 minutes at 92°F (33°C)</p> <p>Pot life is shorter at higher temperatures. A larger volume of mixed material will have a shorter pot life than a smaller volume.</p>

## APPLICATION GUIDANCE

<b>Cleanup</b>	MEK or Acetone
<b>Spray Application</b>	<p>The following spray equipment has been found suitable and is available from manufacturers such as Binks, Graco and Wiwa.</p> <p>Guns: Graco XHF or Wiwa 500F.</p> <p>Tip Size: 0.023 – 0.029 reversible type</p> <p>Part A Fluid Line: 1/2-inch ID</p> <p>Part B Fluid Line: 3/8-inch ID</p> <p>Spray Line: 1/2-inch ID</p> <p>Whip: 3/8-inch ID</p> <p>Whip Length: 10 feet</p> <p>Pump Size: 60:1 or greater</p> <p>Output Pressure: 3,360 psi to 6,500 psi, filter removed</p> <p>Static Mixer: 2 x 1/2-inch ID x 12-inch (24-inches total length) behind mixing valve</p> <p>Part A Temperature: 130°F – 135°F (54°C – 57°C)</p> <p>Part B Temperature: 90°F – 95°F (32°C – 35°C)</p>
<b>Airless Spray Plural Component</b>	<p>Pump Size: 60:1 or greater</p> <p>Output Pressure: 5,500 psi to 6,500 psi, filter removed</p> <p>Hose Length: 100 ft x 3/8-inch ID</p> <p>Whip Length: 10 ft x 1/4-inch ID</p> <p>Part A Temperature: 75°F – 85°F (24°C – 29°C)</p> <p>Part B Temperature: 75°F – 85°F (24°C – 29°C)</p> <p>Part A resin and Part B hardener should be heated individually to before mixing so product will atomize properly in delivering paint to the substrate.</p>
<b>Airless Spray Single Leg or Hot Pot</b>	

<b>Brush</b>	Medium bristle brush
<b>Roller</b>	Short-nap synthetic roller cover with phenolic core

## CURE SCHEDULE & RECOAT WINDOW

TEMPERATURE	MINIMUM RECOAT	MAXIMUM RECOAT	RETURN TO SERVICE (HYDROCARBON IMMERSION)
50°F (10°C)	8 hours	14 days	7 days
77°F (25°C)	3 hours	14 days	72 hours
140°F (60°C)	30 minutes	1 hour	4 hours

Return-to-service will vary with chemical exposure. Consult ErgonArmor Technical Service for guidance.

## PACKAGING, ESTIMATING & HANDLING

**Package Sizes** Light Gray, 20-gal (75.6 L) Kit  
 - Part A Resin White, 3 x 5 gal (18.9 L) Pails  
 - Part B Hardener Black, 1 x 4.9 gal (18.6 L) Pail  
 Item #: M-EL2510-20GLKT-01

Light Gray, 200-gal (757 L) Kit  
 - Part A Resin White, 3 x 50 gal (186 L) Drums  
 - Part B Hardener Black, 1 x 49 gal (186 L) Drum  
 Item #: M-EL2510-200GLKT-1

**Theoretical Coverage Rate** 106 square feet per gallon at 15 mils  
 40 square feet per gallon at 40 mils  
 Allow for loss in mixing and application.

**Storage & Shelf Life** Maintain products in original packaging and sealed until ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions. Do not store below 40°F (4°C) or above 110°F (43°C).

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with ErgonArmor.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	SYSTEM	VALUE
Dry adhesion ASTM D4541	Blasted steel 1 coat	>2,500 psi
Dry adhesion ASTM D4541	Scuffed FBE 1 coat	>2,000 psi
Wet adhesion ASTM D4541 5 days 158°F (70°C) water	Blasted steel 1 coat	>2,500 psi
Abrasion ASTM D4060 1000 cycles, CS17 wheel 1000 gm load	Blasted steel 1 coat	80 mg loss 770 cycles per mil
Compressive strength ASTM C109	Blasted steel 1 coat	10,000 – 13,000 psi
Hardness ASTM D2240	Blasted steel 1 coat	83 – 90 Shore D
Meets the performance requirements of AWWA C210		

## SERVICE TEMPERATURE

SERVICE	MAXIMUM TEMPERATURE
Dry, continuous	220°F (104°C)
Dry, intermittent	250°F (121°C)
Under insulation	175°F (79°C)

Temperature limitations will vary with chemical exposure. Consult ErgonArmor Technical Service for guidance.

Discoloration and loss of gloss occur above 200°F (93°C) but do not affect performance.

Rev 03/2021

### TERMS AND CONDITIONS OF SALE

While statements, technical information and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user. For all Terms and Conditions of Sale see [ergonarmor.com](http://ergonarmor.com).