

## 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-SP2 Hand Tool or SSPC-SP3 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 Concrete Primer.
<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
<b>Mixing</b>	Power mix separately, then combine and power mix. DO NOT MIX PARTIAL KITS.
<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 in ID</p> <p>Part B Fluid Line: 3/8 in ID</p> <p>Spray Line: 1/2 in ID</p> <p>Whip: 3/8 in 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 in ID x 12 in (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 in ID</p> <p>Whip Length: 10 ft x 1/4 in ID</p> <p>Work Life, 4 gallons at 77°F (25°C):</p> <p>    No Thinner: 30 minutes</p> <p>    3 – 5% Thinner: 35 – 40 minutes</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>	

**Brush** Medium bristle brush

**Roller** 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 cargo. Consult ErgonArmor Technical Service for guidance.

## PACKAGING & ESTIMATING

**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.

**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

## TYPICAL PHYSICAL PROPERTIES

TEST METHOD	SYSTEM	RESULTS
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		

## TEMPERATURE RESISTANCE

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 cargo. Consult ErgonArmor Technical Service for guidance.

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

## STORAGE & SHELF LIFE

**Shelf Life** 12 months at 75°F (24°C) when stored under recommended conditions.

**Storage Conditions** 40°F – 110°F (4°C – 43°C)  
0 – 100% relative humidity

Store in a dry area out of direct sunlight. Maintain product in original packaging and sealed until ready for use.

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