

## SELECTION & SPECIFICATION DATA

|                                 |   |
|---------------------------------|---|
| <b>Type</b>                     | Type 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 Units (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 Armor Technical Service.  |

## 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 GUIDELINES

|  |   |
|--|---|
| <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>  |
| <b>Airless Spray Plural Component</b>      | <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 Single Leg or Hot Pot</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>Brush</b>                               | Medium bristle brush  |
| <b>Roller</b>                              | Short-nap synthetic roller cover with phenolic core   |

## CURE SCHEDULE & RECOAT WINDOW

| TEMPERATURE  | MINIMUM<br>RECOAT | MAXIMUM<br>RECOAT | RETURN TO SERVICE<br>(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 Armor Technical Service for guidance.

## PACKAGING, ESTIMATING & HANDLING

| ITEM#              | PRODUCT   | PACKAGING  |
|--------------------|---|--|
| M-EL2510-20GLKT-01 | Novocoat SP2000WHB Kit<br>-Part A Resin, White<br>-Part B Hardener, Black | 5 gal (19 L)<br>64 lbs (29 kg)<br>42 lbs (19 kg)       |
| M-EL2510-200GLKT-1 | Novocoat SP2000WHB Kit<br>-Part A Resin, White<br>-Part B Hardener, Black | 50 gal (189 L)<br>640 lbs (290 kg)<br>420 lbs (191 kg) |
| M-SP2510-250GKT-1  | Novocoat SP2000WHB Touch-up Kit Includes Tools, Light Gray                | 8.8 oz (250 g)   |

**Theoretical Coverage** 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 Armor.

## SAFETY

**Safety** 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.

**Ventilation** Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

## TYPICAL PHYSICAL PROPERTIES

| PROPERTY  | SYSTEM                  | VALUE                            |
|---|-------------------------|----------------------------------|
| Dry adhesion<br>ASTM D4541  | Blasted steel<br>1 coat | >2,500 psi                       |
| Dry adhesion<br>ASTM D4541  | Scuffed FBE<br>1 coat   | >2,000 psi                       |
| Wet adhesion<br>ASTM D4541<br>5 days 158°F (70°C) water           | Blasted steel<br>1 coat | >2,500 psi                       |
| Abrasion<br>ASTM D4060<br>1000 cycles, CS17 wheel<br>1000 gm load | Blasted steel<br>1 coat | 80 mg loss<br>770 cycles per mil |
| Compressive strength<br>ASTM C109                                 | Blasted steel<br>1 coat | 10,000 - 13,000 psi              |
| Hardness<br>ASTM D2240  | Blasted steel<br>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 Armor Technical Service for guidance.

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

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