

## SELECTION & SPECIFICATION DATA

|                                    |  |
|------------------------------------|--|
| <b>Generic Type</b>                | Novolac Epoxy  |
| <b>Description</b>                 | Novocoat SC 6300 is a two component, 100% solid, Novolac epoxy, coating system, engineered for extreme temperature and corrosive conditions.   |
| <b>Features</b>                    | <ul style="list-style-type: none"> <li>• Excellent chemical resistance to wide range of acids and caustics</li> <li>• Low Permeation Rate for tank lining service</li> <li>• Solvent free – 100% solids</li> </ul>                                       |
| <b>Recommended Uses</b>            | <ul style="list-style-type: none"> <li>• Pipe wraps</li> <li>• Secondary Containment areas</li> <li>• Tube Sheets</li> <li>• Chemical Process Equipment &amp; Pads</li> <li>• Heat Exchangers</li> <li>• Internal pipeline and vessel linings</li> </ul> |
| <b>Color/Part #</b>                | Clear (SC6300)   |
| <b>Finish</b>                      | Gloss  |
| <b>Primer</b>                      | Self-priming   |
| <b>Dry Film Thickness</b>          | 2 – 3 coats at 8 – 12 mils each<br>3 – 4 coats at 8 – 12 mils each for high temps/severe chemical service  |
| <b>Solids Content</b>              | By Volume 100% +/- 1%  |
| <b>Theoretical Coverage Rate</b>   | 1604 ft <sup>2</sup> at 1 mil<br>106 ft <sup>2</sup> at 15 mils<br>64 ft <sup>2</sup> at 25 mils<br>Allow for loss in mixing and application.  |
| <b>Dry Temp. Resistance</b>        | Continuous: 450°F (232°C)<br>Non-Continuous: 550°F (288°C)<br>Discoloration and loss of gloss occurs above 200°F (93°C) but does not affect performance.   |
| <b>Under Insulation Resistance</b> | Continuous: 300°F (149°C)<br>Discoloration and loss of gloss occurs above 200°F (93°C) but does not affect performance.  |

## SUBSTRATES & SURFACE PREPARATION

|                |   |
|----------------|---|
| <b>General</b> | Surfaces must be clean and dry. Remove all dirt, dust, oil and all other contaminant.   |
| <b>Steel</b>   | Immersion: SSPC-SP10 Near White with jagged profile of 2.5 – 3.5 mils.<br><br>Non-immersion: SSPC-SP6 1.5 – 3.0 mils SSPC-SP2 or SP3 are suitable cleaning methods for mild environments. |

|                                    |  |
|------------------------------------|--|
| <b>Previously Painted Surfaces</b> | Consult with ErgonArmor Technical Service Department |
|------------------------------------|--|

## MIXING & THINNING

|                 |   |
|-----------------|---|
| <b>Mixing</b>   | Power mix separately, then combine and power mix. DO NOT MIX PARTIAL KITS.  |
| <b>Thinning</b> | Spray: Up to 6.5 oz/gal (5%) w/ TH1710<br>Brush: Up to 8 oz/gal (6%) w/ TH1710<br>Roller: Up to 8 oz/gal (6%) w/ TH1710<br><br>Use of thinners other than those supplied or recommended by ErgonArmor may adversely affect product performance and void product warranty, whether expressed or implied. |
| <b>Ratio</b>    | 3:1 Ratio (A to B) by Volume  |
| <b>Pot Life</b> | 30 minutes at 75°F (24°C)<br>Pot life times will be less at higher temperatures.  |

## APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

|  |  |
|--|--|
| <b>Spray Application (General)</b>         | This is a 100% solids coating and may require adjustments in spray techniques. The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.   |
| <b>Airless Spray Plural Component</b>      | Tip Size: .015–.025 reversible type<br>Diameter of Part A Fluid Line: 1/2" ID<br>Diameter of Part B Fluid Line: 3/8" ID<br>Spray Line: 1/2" ID x 50 feet maximum<br>Diameter of Whip: 1/4 – 3/8" ID<br>Length of Whip: 20 feet<br>Power Ratio Pump: 56:1 or greater<br>Static Mixer: 2 x 1/2" ID x 12" in length behind mixing valve<br>Part A Temperature: 115 – 125°F in reservoir tank<br>Part B Temperature: 90 – 95°F in reservoir tank |
| <b>Airless Spray Single Leg or Hot Pot</b> | Pump Ratio: 56:1 (min.)<br>Hose Length/Diameter: 50 ft x 3/8" I.D. (min.)<br>Whip Length/Diameter: 10 ft x 1/4" – 3/8" I.D. (min.)<br>Tip Size: .027" – .029"<br>Output PSI: 5600 – 7000 Filter Removed  |
| <b>Brush &amp; Roller (General)</b>        | Multiple coats may be required to obtain desired appearance, recommended dry film thickness and adequate hiding. Avoid excessive re-brushing or re-rolling. For best results, tie-in within 10 minutes at 75°F (24°C).   |
| <b>Brush</b>                               | Use a medium bristle brush.  |

**Roller** Use a short-nap synthetic roller cover with phenolic core.

**CLEANUP & SAFETY**

**Cleanup** Use MEK or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

**Safety** Read and follow all caution statements on this product data sheet and on the MSDS for this product. Wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

**Ventilation** When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. User should test and monitor exposure levels to insure all personnel are below guidelines.

**PACKAGING, HANDLING & STORAGE**

**Shelf Life** Part A: 12 months at 75°F (24°C)  
Part B: 12 months at 75°F (24°C)  
\*When kept at recommended storage conditions and in original unopened containers.

**Shipping Weight (Approximate)** 1 Gallon Kit: 12 lbs. (5.45 kg)  
4x1 Quart Case: 15 lbs. (6.82 kg)

**Storage Temperature & Humidity** 40° – 110°F (4° – 43°C)  
0 – 100% Relative Humidity

**Storage** Store Indoors.  
This product is not affected by excursions below these published storage temperatures, down to 10°F, for a duration of no more than 14 days. Always inspect the product prior to use to make sure it is smooth and homogeneous when properly mixed.

**PERFORMANCE DATA**

| TEST METHOD                       | SYSTEM                                | RESULTS           |
|-----------------------------------|---------------------------------------|-------------------|
| ASTM D-4541 Dry                   | Blasted Steel 1 ct. SC6300            | >3,000 psi        |
| ASTM D-4541 Wet 5 days 70°C water | Blasted Steel 1 ct. SC6300            | >2,500 psi        |
| ASTM D 4060 Abrasion              | 1000 cycles, CS17 wheel 1000 gm. load | <40 mg            |
| ASTM C-109 Compressive Strength   | SC6300                                | 11,000–14,000 psi |
| ASTM D-2240 Hardness              | Blasted Steel 1 ct. SC6300            | 84 Shore D        |

**CURE SCHEDULE & RE-COAT WINDOW**

| TEMPERATURE  | MINIMUM RE-COAT | MAXIMUM RE-COAT | RETURN TO SERVICE (AQUEOUS/ HYDROCARBON IMMERSION) |
|--------------|-----------------|-----------------|--|
| 10°C (50°F)  | 3 hours         | 12 hours        | 7 days   |
| 25°C (77°F)  | 1.5 hours       | 6 hours         | 24 hours   |
| 60°C (140°F) | 10 minutes      | Not recommended | 4 hours  |

**DRY TO TOUCH** 4 hours at 25°C (77°F)

Rev 05/17

**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 material safety data sheets before using. While all 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. Please contact ErgonArmor for further information at 877.982.7667 or FAX 601-933-3381. For all Terms and Conditions of Sale see ergonarmor.com.

**ORDERING INFORMATION**  
For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.