

**SECTION 09 96 00
HIGH-PERFORMANCE COATINGS**

PART 1 GENERAL**1.1 SECTION INCLUDES**

- A. High performance coatings.

1.2 RELATED REQUIREMENTS

- A. Section 09 9000 - Painting and Coating.

1.3 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2010b.
- B. FS TT-P-28 - Paint, Aluminum, Heat Resisting (1200 degrees F.); Federal Specifications and Standards; Revision H, 2007.
- C. SSPC-SP 2 - Hand Tool Cleaning; Society for Protective Coatings; 1982 (Ed. 2004).
- D. SSPC-SP 3 - Power Tool Cleaning; Society for Protective Coatings; 1982 (Ed. 2004).
- E. SSPC-SP 5 - White Metal Blast Cleaning; Society for Protective Coatings; 2006.
- F. SSPC-SP 6 - Commercial Blast Cleaning; Society for Protective Coatings; 2006.
- G. SSPC-SP 7 - Brush-Off Blast Cleaning; Society for Protective Coatings; 2006.
- H. SSPC-SP 10 - Near-White Blast Cleaning; Society for Protective Coatings; 2000 (Ed. 2004).
- I. SSPC-SP 11 - Power Tool Cleaning to Bare Metal; Society for Protective Coatings; 1987 (Ed. 2004).
- J. SSPC-Paint 16 - Coal Tar Epoxy-Polyamide Black (or Dark Red) Paint; Society for Protective Coatings; 1982 (Ed. 2006).
- K. SSPC-Paint 17 - Chlorinated Rubber Inhibitive Primer; Society for Protective Coatings; 1982 (Ed. 2004).
- L. SSPC-Paint 18 - Chlorinated Rubber Intermediate Coat Paint; Society for Protective Coatings; 1982 (Ed. 2004).
- M. SSPC-Paint 19 - Chlorinated Rubber Topcoat Paint; Society for Protective Coatings; 1982 (Ed. 2004).

1.4 SUBMITTALS

- A. Product Data: Provide data indicating coating materials.
- B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- C. Maintenance Data: Include cleaning procedures and repair and patching techniques.
- D. Maintenance Materials: Furnish the following for DEPARTMENT OF VETERANS AFFAIRS's use in maintenance of project.

1. Extra Coating Materials: 1 gallon of each type and color.
2. Label each container with manufacturer's name, product number, color number, and room names and numbers where used.

1.5 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document that applies to application on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

1.6 FIELD CONDITIONS

- A. Do not install materials when temperature is below 55 degrees F or above 90 degrees F.
- B. Maintain this temperature range, 24 hours before, during, and 72 hours after installation of coating.
- C. Restrict traffic from area where coating is being applied or is curing.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. High-Performance Coatings:
 1. Carboline Company: www.carboline.com.
 2. PPG Architectural Finishes, Inc: www.ppgaf.com.
 3. Sherwin-Williams Company: www.protective.sherwin-williams.com/industries.
 4. Tnemec Company, Inc: www.tnemec.com.
 5. OR APPROVED EQUAL

2.2 MATERIALS

- A. Coatings - General: Provide complete multi-coat systems formulated and recommended by manufacturer for the applications indicated, in the thicknesses indicated; number of coats specified does not include primer or filler coat.
- B. Primers: As recommended by coating manufacturer for specific substrate, unless otherwise specified.
- C. Shellac: Pure, white type.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that substrate surfaces are ready to receive work as instructed by the coating manufacturer. Obtain and follow manufacturer's instructions for examination and testing of substrates.
- C. Masonry: Verify masonry joints are struck flush.

3.2 PREPARATION

- A. Clean surfaces of loose foreign matter.
- B. Remove substances that would bleed through finished coatings. If

unremovable, seal surface with shellac.

C. Remove finish hardware, fixture covers, and accessories and store.

D. Protect adjacent surfaces and materials not receiving coating from spatter and overspray; mask if necessary to provide adequate protection. Repair damage.

3.3 PRIMING

A. Apply primer to all surfaces, unless specifically not required by coating manufacturer. Apply in accordance with coating manufacturer's instructions.

3.4 COATING APPLICATION

A. Apply coatings in accordance with manufacturer's instructions, to thicknesses specified.

B. Apply in uniform thickness coats, without runs, drips, pinholes, brush marks, or variations in color, texture, or finish. Finish edges, crevices, corners, and other changes in dimension with full coating thickness.

END OF SECTION