

**SECTION 09 91 14**  
**PAINT FOR STEEL BAR FENCE AND STEEL HANDRAIL**

**PART 1 - GENERAL**

**1.01 RELATED DOCUMENTS**

- A. Perform work of this section in accordance with the General Conditions, Special Conditions, and all other requirements of the Contract Documents.
  - 1. Detailed Sections: 32 31 19 - Steel Bar Fence
  - 2. 05 52 13 – Steel Handrails

**1.02 DESCRIPTION OF WORK**

- A. This specification provides for furnishing all labor, materials and equipment, together with all work incidental thereto, required for the application of paint on metal, as per the Contract Documents.

**PART 2 - MATERIALS**

**2.01 ALL NEWLY-FABRICATED STEEL COMPONENTS SHALL BE PAINTED WITH A SHOP COAT OF PRIMER AND TWO SHOP COATS OF PAINT. APPLY AS PER THE MANUFACTURER'S RECOMMENDATION. ANY ALTERNATE METHOD OF APPLICATION MUST BE CONSULTED WITH MANUFACTURER FOR PROPER CHEMICAL MODIFICATION WHEN ORDERING. DO NOT THIN OR ADD ANY CHEMICALS WITHOUT THE DIRECTION OF THE MANUFACTURER.**

- A. Primer for steel shall be Benjamin Moore Super Spec Z06-70 (color - grey) Alkyd Metal Primer 2 mils per coat), 1.800.344.0400 extension 1880, or equal.
- B. Primer for galvanized metal shall be Benjamin Moore Industrial Maintenance Coatings, M04, Acrylic metal primer (color - white) 2 mils per coat) or equal.
- C. Paint for metal components shall be Benjamin Moore Super Spec DTM Low Lustre enamel, Z-163 2 mils per coat) or approved equal. The color of the finish coat shall be Black #80, unless otherwise indicated on the Drawings or Specifications.
- D. All paint and primer shall have a low VOC content to comply with current New York State VOC Regulations.

**PART 3 - INSTALLATION**

**3.01 SURFACE PREPARATION-METAL SURFACES: THE ENTIRE FRAMEWORK OF THE STRUCTURE SHALL BE PAINTED. ALL SURFACES TO BE PAINTED MUST BE CLEAN AND FREE OF ALL DUST, DIRT AND RUST. ALL GREASY AND OILY RESIDUES MUST BE REMOVED FROM THE METAL WITH APPROPRIATE SOLVENT. REPEAT CLEANING PROCEDURE AS OFTEN AS NECESSARY TO REMOVE CONTAMINANTS COMPLETELY. THOROUGH SURFACE PREPARATION OF FERROUS AND GALVANIZED METAL IS CRITICAL FOR THE DURABILITY OF THE PAINT.**

- A. FINISH COAT APPLICATION: After primer has dried, (drying time as per manufacturer's recommendation) two finish coats of appropriate paint.
- B. Any drips, runs, sags or wrinkling in unacceptable. Proper application procedures shall be implemented to avoid such defects.
- C. After installation of painted materials, all chips, scrapes, and blemishes on the structure shall be touched up in the field with the appropriate paint. No paint shall be applied during damp weather or when the temperature is below freezing. During field application, all concrete work, paving, etc. shall be fully protected from stains. Any paint spots that may occur shall be removed immediately with an approved paint remover.
- D. The New York City Housing Authority reserves the right to inspect the painting facility and laboratory test for chemical composition and film thickness.

**END OF SECTION 09 91 14**