

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
MATERIALS CONTROL, SOILS AND TESTING DIVISION
MATERIALS PROCEDURE

GUIDE FOR CONTRACTOR'S AND FABRICATOR'S
QUALITY CONTROL PLAN FOR PAINTING

1. SCOPE

- 1.1 This materials procedure shall serve as a guide for the design of the Prime Contractor's or Fabricator's Quality Control Plan for surface preparation, application of coatings, and inspection procedures.
- 1.1.1 This procedure shall be applicable to all structures that include, but are not limited to those being fabricated, erected, fully repainted, and/or zone painted.

2. REFERENCED DOCUMENTS

- 2.1 West Virginia Department of Transportation, Division of Highways Standard Specifications Road and Bridges and the West Virginia Department of Transportation, Division of Highways Supplemental Specifications intended to supplement the latest version of the Standard Specifications
 - a. 107-Legal Relations and Responsibility to Public
 - b. 601-Structural Concrete
 - c. 685-Bridge Cleaning
 - d. 688-Field Painting of Metal Structures
- 2.2 Society for Protective Coatings (SSPC)
 - a. Monitoring and Controlling Ambient Conditions during Coating Operations.
 - b. PA 1-Shop, Field and Maintenance Coating of Metals
 - c. PA 2-Procedure for Determining Conformance to Dry Coating Thickness Requirements
 - d. PA 17-Procedure for Determining Conformance to Steel Profile/Surface Roughness/Peak Count Requirements.
 - e. SP 13-Surface Preparation of Concrete
 - f. SP 14-Industrial Blast Cleaning
 - g. The Fundamentals of Cleaning and Coating Concrete 2001
 - h. Technology Guide 6: Guide for Containing Debris Generated During Paint Removal Operations.
 - i. Technology Guide 7: Guide to the Disposal of Lead-Contaminated Surface Preparation Debris
 - j. Technology Guide 16: Guide to Specifying and Selecting Dust Collectors

- 2.3 International Organization for Standardization
 - a. 8501- Preparation of Steel Substrates before Application of Paints and Related Products - Visual Assessment of Surface Cleanliness.
- 2.4 Other *SSPC*, *ASTM*, *ISO*, or *WVDOH* Documents that may be applicable to the application, surface preparation or inspection of applied coatings on any substrate, concrete or steel, not mentioned above.

3. REQUIREMENTS AND GUIDELINES

- 3.1 General Requirements
 - 3.1.1 The Contractor or Fabricator shall provide and maintain a Quality Control System that will provide assurance that the paints have been applied in accordance with the specification requirements.
 - 3.1.2 The Contractor or Fabricator shall conduct or have conducted inspections and tests required to substantiate that the paints have been applied in accordance with the specification requirements.
 - 3.1.3 The Contractor's or Fabricator's Quality Control inspections and testing shall be documented daily and provided to the Engineer for review at the end of the work-day. These documents shall be maintained for the life of the contract.
- 3.2 Quality Control Plan
 - 3.2.1 The QC Plan shall follow Specification 688, Section 688.2.5-Submittals, and 601.13.3.7.1- Quality Control Plan for Painting.

4. FORMAT

- 4.1 The Contractor/Fabricator shall complete the form: “688.02.20 - West Virginia Division of Highways Quality Control Plan for Painting.” A sample of this document is provided with this MP, however the live document is available on the WVDOH MCS&T Webpage under the “[Tool Box](#)”¹.
- 4.1.1 This form is a fillable PDF form and shall be submitted electronically. The plan will be submitted to the [Paint QC E-mail Address](#)². All form fields in RED shall be completed at a minimum. Once completed the submit button may be activated and an e-mail will generate with the form attached and the e-mail address populated. At this time the supporting documentation shall be added and submitted with the plan.


05/30/2019

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RLS:P
Attachments

¹ <https://transportation.wv.gov/highways/mcst/Pages/tbox.aspx>

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