

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

MATERIALS PROCEDURE

INTERMEDIATE FIELD COAT FOR
ZINC RICH SYSTEMS


- 1.0 PURPOSE
- 1.1 To establish a procedure for certifying intermediate field coat products and to set forth procedures for sampling, testing, and shipping said products.
- 2.0 SCOPE
- 2.1 This procedure shall apply to all manufacturers of intermediate field coats for Zinc Rich Systems.
- 3.0 APPLICABLE DOCUMENTS
- 3.1 MP 711.00.20 - Paint Testing Methods
- 3.2 ASTM D 3925 - Sampling Liquid Paints and Related Pigment Coatings
- 4.0 PROCEDURE
- 4.1 Initial Requirements for Certification
- 4.1.1 The manufacturer shall have test equipment and qualified personnel necessary to test the material for compliance with the specifications.
- 4.1.2 The manufacturer shall submit to the Division of Highways a one liter sample of intermediate coat along with one liter of top coat meeting the requirements of 711.20.4. The color of the top coat shall be one of those specified in Subsection 711.20.4. The samples should be sent to:

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312 MICHIGAN AVENUE
CHARLESTON, WEST VIRGINIA 25311

- 4.1.3 The intermediate field coat shall meet the manufacturer's specifications and shall be compatible with the primer (Subsection 711.6.2 or 711.20.2) and the top coat (711.20.4).
- 4.1.3.1 Accompanying the sample shall be one liter of thinner for each product, along with product data sheets and material safety data sheets for each.
- 4.1.3.2 Each color or shade of top coat shall constitute a separate formulation.
- 4.1.4 Testing of the paint system shall be performed by the Division prior to certification. The Division will notify the manufacturer of the results of testing. If the results are satisfactory, an individual approval number will be assigned for each intermediate coat. If the results are not satisfactory, no certification will be issued.
- 5.0 SAMPLING AND TESTING
- 5.1 Monitor samples will be tested by the Division at periodic intervals for specification compliance. Sampling frequency will be dependent upon the historical compliance of the material with the specifications.
- 5.2 Sampling shall be conducted in accordance with ASTM D 3925. Tests shall be conducted in accordance with MP 711.00.20.
- 6.0 PROCEDURES FOR SHIPPING
- 6.1 The manufacturer shall include the following information on each shipping document: name and location of the company, type of material, quantity, date shipped, current product certification number issued by MCS&T, batch number, and date of manufacture.
- 6.2 A copy of the shipping document shall be submitted to the Division of Highways at the address shown in Subsection 4.1.2 of this Materials Procedure.

7.0 CERTIFICATION COMPLIANCE

- 7.1 Samples taken in accordance with Section 5.0 which fail to meet specifications shall be reviewed by this Division to determine the cause of failure. This investigation shall include a review of the manufacturers test records. If this review is positive, then another sample will be tested. If this sample passes, no change in the certification will be necessary.
- 7.2 Two consecutive failing samples shall be cause to remove the product from the certified list. The manufacturer shall show proof by actual test data that the cause of failure has been found prior to recertification.
- 7.3 During the decertification period, the manufacturer may have his material sampled and tested on a batch by batch basis in accordance with the requirements of Section 5.2.
- 7.4 When the quantity of material is 200 liters or less, the Division may elect to accept the material based on certified test data from the manufacturer or passing test results from the DOH laboratory.



Gary L. Robson, Director
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and Testing Division

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