

**STRUCTURAL STEEL PAINT SYSTEM  
PRIMER/ TIE COAT/URETHANE FINISH  
2003 STANDARD SPECIFICATIONS**

<u>System</u>		<u>Manufacturer</u>
Dimetcote 9 VOC Amercoat 385 Amercoat 450 H	Primer Epoxy tie coat Polyurethane topcoat	PPG Industries, Inc. 11605 Vimy Ridge Road(72209) Post Office Box 192610 Little Rock, AR 72219-2610 501-455-4500
Carbozinc 11 Carbozinc 11 HS Carboguard 888 Carboguard 893 Carbothane 133 HB	Primer  Epoxy tie coat  Polyurethane topcoat	Carboline Company 350 Hanley Industrial Ct. St. Louis, MO 63144-1599 314-644-1000
Zinc Clad II LV ( <i>Use with 5% Mfr. Recommended Reducer</i> ) Zinc Clad II Plus ( <i>Use with 4% Mfr. Recommended Reducer</i> ) Zinc Clad II Ethyl Silicate	Primer	The Sherwin Williams Company 417 Byrd Street Little Rock, AR 72202 501-375-7371
Recoatable Epoxy Primer B67 Series	Epoxy tie coat	
HiSolids Polyurethane B65 Series	Polyurethane topcoat	

**Method of Documentation of Acceptance:** By brand and manufacturer. The manufacturer shall furnish a certification for each lot certifying that the materials supplied conform to all the requirements specified and stating that the material is formulated the same as the material tested for manufacturer and brand name approval.

**Method of Approval for Materials to be added to this Qualified Products List:**

1. The paint system shall consist of an inorganic zinc-rich primer, and a finish system consisting of an epoxy tie coat and a two component, high build, aliphatic polyurethane topcoat all from the same manufacturer. All coatings must meet the necessary individual requirements and be compatible within their system. Each coat of the system shall be the type as recommended by the manufacturer.

2. The various coats shall be sufficiently different in color as to permit detection of incomplete application. The color of the polyurethane paint shall match the Federal Standard 595A Color Chip No. 37200, Aluminum color, unless otherwise specified on the plans.

3. The manufacturer shall provide the following applicable documentation:

Inorganic Zinc-Rich Primers

(1) Certified test reports from an independent testing laboratory showing that the inorganic zinc-rich primer complies with the requirements of AASHTO M 300, Type I, or Type II.

(2) Certified test reports from an independent testing laboratory showing that the primer shall qualify for a Class A classification (slip coefficient of 0.33 or greater) when tested according to "Testing Methods to Determine the Slip Coefficient for Coatings used in Bolted Joints" in Appendix A of *Specification for Structural Joints Using ASTM A 325 or A 490 Bolts* as published by AISC.

Finish System

Certified test reports from an independent testing laboratory on the mixed urethane paint showing the weight in lb/gal(kg/L) and that it shall have a solids content of not less than 57% by volume.

4. All certified test reports shall include the manufacturer's name, brand name of the paint, date of manufacture, and an infrared spectrum analysis of the paint used in the tests. For multi-component paints, the test reports shall show the exact ratio, by weight, of the components in the final product.

5. The manufacturer shall provide a sample, and product information, including printed instructions for application.

6. The manufacturer shall furnish a certification for each lot certifying that the materials supplied conform to all the requirements specified and stating that the material is formulated the same as the material tested for manufacturer and brand name approval.

7. When deemed necessary by the Materials Engineer and at a frequency determined by same, samples will be taken and tested on a random basis. These samples must meet all requirements.

8. Multiple material failures either in the laboratory or in field applications are sufficient reason to reconsider acceptance of material from a manufacturer. The Materials Engineer will determine if the failures warrant discontinuing acceptance and removal from this QPL.