

Coal-Tar Epoxy Polyamide (Black or Dark Red) Coating

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Document History:

2023-12-20: Revised by AMPP Standards Committee (SC) 03, External Coatings-Buried & Immersed

2015-06-15: Reaffirmed by SSPC C.1.3.A, Coal Tar Epoxy Coatings

2006-11-01: Approved by SSPC C.1.3.A Coal Tar Epoxy Coatings Committee

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Foreword

This coating material standard is intended primarily for use by coating manufacturers, specifiers, and applicators. It contains requirements for the formulation of the coating material as well as requirements for material properties of the formulated coating and instructions for proper application of the coating. The coating is intended for use in environments that are not exposed to ultraviolet light. Its use may be restricted in some areas due to its coal tar content.

Scope

This standard contains material requirements for a two-component coal-tar epoxy polyamide black (or dark red) coating for structural steel.

Rationale

Changes in this revision include the addition of amide-based additives as gelling agents, revisions to the viscosity requirements for Component A, and reorganization to reflect requirements for AMPP standards. The requirements for container labeling have also been removed.

Referenced Standards and Other Consensus Documents

Unless specifically dated, the latest edition, revision, or amendment of the documents listed in the table below shall apply.

AMPP/NACE/SSPC, www.amp.org:

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| SSPC-PA 1 | Shop, Field, and Maintenance Painting of Steel |
| SSPC-PA 2 | Procedure for Determining Conformance to Dry Coating Thickness Requirements |
| SSPC-SP 6/NACE No. 3 | Commercial Blast Cleaning |
| SSPC-SP 8 | Pickling |
| SSPC-SP 10/NACE No. 2 | Near-White Metal Blast Cleaning |

ASTM International, www.astm.org:

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| ASTM D4 | Standard Test Method for Pitumen Content |
| ASTM D5/D5M | Standard Test Method for Penetration of Bituminous Materials |
| ASTM D36/D36M | Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus) |
| ASTM D139 | Standard Test Method for Float Test for Bituminous Materials |
| ASTM D605 | Standard Specification for Magnesium Silicate Pigment (Talc) |
| ASTM D609 | Standard Practice for Preparation of Cold-Rolled Steel Panels for Testing Paint, Enamels, Conversion Coatings, and Related Coating Products |
| ASTM D1296 | Standard Test Method for Odor of Volatile Solvents and Diluents |
| ASTM D1475 | Standard Test Method for Density of Liquid Coatings, Inks, and Related Products |
| ASTM D1544 | Standard Test Method for Color of Transparent Liquids (Gardner Color Scale) |
| ASTM D1652 | Standard Test Methods for Epoxy Content of Epoxy Resins |
| ASTM D2415 | Standard Test Method for Ash in Coal Tar and Pitch |
| ASTM D3721 | Standard Specification for Synthetic Red Iron Oxide Pigment |

U.S. Department of Defense, quicksearch.dla.mil/qsSearch.aspx:

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| MIL-PRF-23,36 | Coating Systems for Ship Structures |
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