

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

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## Document History:

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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](http://www.amp.org):**

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](http://www.astm.org):**

ASTM D4	Standard Test Method for Bitumen 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, Varnish, 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](http://quicksearch.dla.mil/qsSearch.aspx):**

MIL-PRF-23236	Coating Systems for Ship Structures
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