

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

SUPPLEMENTAL SPECIFICATION 816

ITEM 816 FIELD PAINTING OF NEW STEEL, SYSTEM IZEU

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- 816.01 Description
- 816.02 Materials
- 816.03 Quality Control
- 816.04 Surface Preparation
- 816.05 Test Equipment
- 816.06 Handling
- 816.07 Mixing and Thinning
- 816.08 Coating Application
- 816.09 Safety Requirements and Precautions
- 816.10 Inspection Access
- 816.11 Protection of People and Property
- 816.12 Pollution Control
- 816.13 Work Limitations
- 816.14 Method of Measurement
- 816.15 Basis of Payment

816.01 DESCRIPTION

These provisions contain requirements to field apply an **Epoxy Intermediate Coat** and a **Urethane Finish Coat** to new structural steel which has been shop primed with an **Inorganic Zinc Coat**.

816.02 MATERIALS

A. Inorganic Zinc Prime Coat

This coating shall conform to CMS 708.17, Inorganic Zinc Silicate Primer paint. Prime coat shall be applied in accordance with CMS 513.222 and CMS 514.01 through 514.04. Thickness of the prime coat and measurement of the thickness shall conform to Dry Film Thickness requirements in this specification. All bolts, nuts and washers that will be in contact with painted surfaces, shall be galvanized as per 711.02

B. Epoxy Intermediate Coat and Urethane Top Coat

These coatings shall be selected from the list of coatings approved for use under SS 910. Materials for each coat of the intermediate and finish coatings shall be supplied from the same manufacturer.

816.03 QUALITY CONTROL

A. Contractor Quality Control Specialist

At the preconstruction meeting, the Contractor shall designate one individual on each project as a Quality Control Specialist. Only one person per project will be necessary unless the Contractor is working at more than 3 sites simultaneously. In which case, it will be necessary to provide an additional Quality Control Specialist for each additional three (or portion of three) sites being painted simultaneously. This person will not be a foreman or member of the Contractor's production staff: (i.e. he or she will not abrasive blast, paint, recover spent abrasives, etc.) He or she will not be involved in any other miscellaneous tasks (i.e. mixing paint, running errands, running or working on equipment, etc.) while any production work is taking place. Documentation that personnel performing quality control related functions are qualified shall be submitted to the Engineer prior to allowing Quality Control Specialist (QCS) to begin work. Documentation/verification shall be provided to the Engineer that the QCS has received formal training from one of the following: KTA Tator, S.G. Pinney, or Corrosion Control Consultants. He or she shall be trained and equipped with material safety data sheets, product data sheets, tools and equipment to provide quality control on all facets of the work and shall have a thorough understanding of the plans and specifications pertaining to this project. He or she shall be responsible for inspecting the equipment at the specified intervals, the abrasives, and the work at all quality control points. He shall also be responsible for verifying that all work is done within the specified work limitations. He or she shall cooperate with the Inspector and compare and document quality control readings. He or she shall have the authority to stop work and the responsibility to inform the Contractor's foreman of nonconforming work.

B. Quality Control Points

Quality control points (QCP) are points in time when one phase of the work is complete and ready for inspection by both the Contractor and the Engineer prior to continuing with the next operational step. At these points: If inspection indicates a deficiency, that phase of the work shall be corrected in accordance with these specifications prior to beginning the next phase of work. Discovery of defective work or material after a Quality Control Point is past or failure of the final product before final acceptance shall not in any way prevent rejection or obligate the State of Ohio to final acceptance.

Quality Control Points (QCP)	(PURPOSE)
1.) Washing	Remove all water soluble materials; salt, dirt, etc.
2.) Solvent Cleaning	Remove asphalt cement, oil, grease, and anything not removed during washing.
3.) Intermediate Coat	Check surface cleanliness; apply intermediate coat; check coating thickness