

708.02 OZEU Structural Steel Paint

1. Specifications:

708.02 OZEU Structural Steel Paint

S 1084, Bridge Paint Certification Requirements

2. Sampling and/or Inspection Requirements:

All organic zinc primers, epoxy intermediate, and Urethane top coat paint used must be on the Department's list of certified paint manufacturers at

<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/CertifiedSuppliers.aspx>

The method of acceptance in the field is by QPL at

<http://www.dot.state.oh.us/Divisions/ConstructionMgt/Materials/Pages/QPL.aspx>

All components intended for the Project or Purchase Order shall be inspected upon delivery. (Field)

Material not so listed must be rejected and removed from the project site.

Organic zinc prime coat - consisting of a two- or three-component coating.

Epoxy intermediate coat - consisting of a two-component coating.

Urethane finish - consisting of a two-component coating

Thinners shall be recommended and supplied by the producers.

Containers shall be unopened and marked with manufacturer's name, coating trade name and number, component, batch number, date of manufacture, expiration date, specification number, color, mixing instructions and equipment clean up instructions.

Dry pigment, prior to mixing, shall be dry and loosely packed.

The components shall be capable of being broken up by mixing with a high shear mixer to a smooth, uniform consistency and the:

Epoxy and Urethane **Resin** Components: shall be free from grit, seeds, skins, abnormal thickening or livering in a freshly opened container and shall exhibit no more pigment settling or caking than can be easily and completely reincorporated to a smooth homogeneous state.

Epoxy and Urethane **Cure** Components: shall be clear and free from sediment and suspended matter when examined by transmitted light. It shall exhibit no livering, curdling, gelling or skinning in a freshly opened container.

Mixing:

The zinc dust pigment or zinc pigmented portion shall be easily mixed into the remaining component(s) to form a smooth, uniform material free from lumps or other objectionable characteristics.

The thinners shall be clean and clear; recommended and supplied by the manufacturer. Materials not meeting above requirements shall be rejected and removed.

Sampling:

Material that can be identified as a Qualified Product (QPL) and fulfills the field inspection requirements may be used immediately. If the material does not fulfill the requirements, then it shall be rejected.

Use of material past its expiration date will not be allowed. No sample is required.

3. Methods of Test:

(OMM Chemical Section)

708.02 OZEU Structural Steel Paint, Parts A, B, C and D.

Federal Test Method Standard No. 1419, ASTM Special Technical Publication 500.