

QPL 3 - STRUCTURAL STEEL COATINGS

PAINT - ORGANIC AND INORGANIC ZINC PRIMERS AND TOPCOATS

PROCEDURES

GENERAL

This evaluation procedure outlines the Department's approval process for organic and inorganic paint systems for steel structures used on Tennessee Department of Transportation projects.

SPECIFICATION

National Transportation Product Evaluation Program (NTPEP)
NEPCOAT Qualified Products List
603.06A - Schedule of Painting for Structural Steel (New Structures)
603.06B - Schedule of Painting for Structural Steel (Existing Structures)

PROCEDURE

A completed Product Evaluation Form, MSDS sheets, if applicable, product data information and sample of the product being tested must be submitted to the Division of Materials and Tests. Prior to approval and use of any organic or inorganic paint system, the manufacturer shall submit in triplicate to the Department a certified test report from an approved testing laboratory showing specific test results conforming to all requirements of these Specifications.

The Department is now using the National Transportation Product Evaluation Program (NTPEP) for approval for Structural Steel Coatings, along with the NEPCOAT Qualified Products List. All paint systems shall meet the NEPCOAT acceptance criteria for Structural Steel Coatings.

NEW STRUCTURES - Section A:

NEPCOAT Qualified Products Lists:

LIST A - INORGANIC Zinc Rich Primer / Epoxy or Urethane Intermediate / Aliphatic Urethane Finish

LIST B - ORGANIC Zinc Rich Primer / Epoxy or Urethane Intermediate / Aliphatic Urethane Finish

LIST C - ORGANIC Zinc Rich Primer / Topcoat

LIST D - INORGANIC Zinc Rich Primer / Topcoat

EXISTING STRUCTURES - Section B & C:

Section B: (Table 603.06-2) Two Coat System: Epoxy Spot & Full Prime & Finish Coat

Section C: (Table 603.06-3) Two Coat System: Non-Epoxy Spot & Full Prime & Finish Coat