

QPL 3: STRUCTURAL STEEL COATINGS

SECTION A: NEW STRUCTURES

GENERAL

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

SPECIFICATIONS

- TDOT Standard Specification 603.06A – Painting, Schedule of Painting, New Structures
- TDOT Standard Specification 910.03B - Inorganic Zinc Paint Systems for Steel Structures, Qualified Products List Acceptance
- NTPEP Review – <http://www.ntpep.org/Pages/ProtectiveCoatings.aspx>
- North East Protective Coating Committee Qualified Products List (NEPCOAT QPL)

PROCEDURE

A completed Product Evaluation Form, safety data 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 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 QPL. All paint systems shall meet the NEPCOAT acceptance criteria for structural steel coatings.

NEPCOAT Qualified Products Lists

NEPCOAT LIST	PRODUCTS
A	Inorganic Zinc Rich Primer/Epoxy or Urethane Intermediate/Aliphatic Urethane Finish
B	Organic Zinc Rich Primer/Epoxy or Urethane Intermediate/Aliphatic Urethane Finish
C	Organic Zinc Rich Primer/Topcoat
D	Inorganic Zinc Rich Primer/Topcoat

QPL 3: STRUCTURAL STEEL COATINGS

SECTION B: EXISTING STRUCTURES, TWO COAT SYSTEM EPOXY SPOT AND FULL PRIME AND FINISH COAT

GENERAL

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

SPECIFICATIONS

- TDOT Standard Specification 603.06B – Painting, Schedule of Painting, Existing Structures
- TDOT Standard Specification 910.03B - Inorganic Zinc Paint Systems for Steel Structures, Qualified Products List Acceptance
- NTPEP Review – <http://www.ntpep.org/Pages/ProtectiveCoatings.aspx>
- North East Protective Coating Committee Qualified Products List (NEPCOAT QPL)

PROCEDURE

A completed Product Evaluation Form, safety data 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 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 QPL. All paint systems shall meet the NEPCOAT acceptance criteria for structural steel coatings.

System B requirements are described in Table 603.06-2 of TDOT Standard Specifications.

QPL 3: STRUCTURAL STEEL COATINGS

SECTION C: EXISTING STRUCTURES, TWO COAT SYSTEM NON-EPOXY SPOT AND FULL PRIME AND FINISH COAT

GENERAL

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

SPECIFICATIONS

- TDOT Standard Specification 603.06B – Painting, Schedule of Painting, Existing Structures
- TDOT Standard Specification 910.03B - Inorganic Zinc Paint Systems for Steel Structures, Qualified Products List Acceptance
- NTPEP Review – <http://www.ntpep.org/Pages/ProtectiveCoatings.aspx>
- North East Protective Coating Committee Qualified Products List (NEPCOAT QPL)

PROCEDURE

A completed Product Evaluation Form, safety data 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 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 QPL. All paint systems shall meet the NEPCOAT acceptance criteria for structural steel coatings.

System C requirements are described in Table 603.06-3 of TDOT Standard Specifications.

ITEM NO.	PAY ITEM	PAY UNIT
603-01	PAINTING STEEL STRUCTURE	L.S.
603-02	REPAINTING EXISTING STEEL STRUCTURES	L.S.
603-02.15	REPAINT EXISTING STEEL BEARINGS	L.S.
603-02.20	SPOT PAINTING EXISTING STEEL STRUCTURES	S.F.
603-02.50	REPAINTING EXISTING ALUMINUM STRUCTURES	L.S.