



Florida Department of Transportation

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605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

May 26, 2015

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: State Specifications Office
Section **975**
Proposed Specification: **9750702 Structural Coating Materials**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Paul Vinik of the State Materials Office (SMO) for language consistency with other subarticles and to correct an ASTM reference.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or daniel.scheer@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Daniel Scheer, P.E.
State Specifications Engineer

DS/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

STRUCTURAL COATING MATERIALS.

(REV 4-~~8~~17-15)

SUBARTICLE 975-7.2 is deleted and the following substituted:

975-7.2 Performance Requirements: For laboratory testing, use flat test panels prepared in accordance with AASHTO R31. Outdoor exposure testing will be performed by the Department. Submit four, 4 inch by 8 inch fiber cement test panels to the State Materials Office. Panels will be exposed at the Department’s outdoor test site in accordance with ASTM G 7.

Coating performance shall meet the following requirements:

| Laboratory Testing - Non-Sacrificial | | |
|--|--|--|
| Property | Test Method | Requirement |
| Graffiti Resistance (solvent cleanable) | ASTM D6578. Complete removal of solvent-based acrylic, polyurethane, and alkyd spray paint; after exposure; and recleanability | Cleanability Level 8, 9, or 10, Accelerated or outdoor exposure is not required. Cure per the spray paint manufacturer’s requirements and assess cleanability per Section 10 of ASTM D 6578. |
| Fluid Resistance (solvent cleanable) | ASTM D1308 – Spot Test; Paint Thinner, Gasoline | No blistering, discoloration, softening or adhesion loss. |
| Outdoor Exposure Testing – Non-Sacrificial | | |
| Property | Test Method | Requirement |
| Graffiti Resistance (water cleanable) | ASTM G7: 6 months exposure at FDOT test site 2500 psi using pressure washer | Complete removal of solvent based acrylic, polyurethane, and alkyd based spray paint. No delamination or visual defects. |
| Laboratory Testing - Sacrificial | | |
| Property | Test Method | Requirement |
| Cyclic Weather Testing | AASHTO R31; no salt fog, 95°F, 0%- 90% Relative Humidity, 500 hours, alternating RH every 100 hours | No melting or disbondment |
| Outdoor Exposure Testing - Sacrificial | | |
| Property | Test Method | Requirement |
| Sacrificial Coating removability | ASTM G7: 6 months exposure at FDOT test site | Complete removal of solvent based acrylic, polyurethane, and alkyd based spray paint from substrate |

STRUCTURAL COATING MATERIALS.
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