5630100 Anti-Graffiti Coating System – Description
Response to Comments from Industry Review

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Comment:

That section does not read smoothly. I suggest the following rewording: Apply anti-graffiti coating system to the areas shown in the plans. Perform the painting in accordance with this Section, using materials meeting the requirements of 975-9 and listed on the Department's Qualified Products List (QPL). Use anti-graffiti coating system that is compatible with the substate as recommended by the coating manufacturer. Only use sacrificial coatings on concrete substrates.

I am in concurrence with your comment and have made your suggested change. Thank you for your time and assistance.

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Jorge A. Rodriguez
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Comment:

The wording added to the Specs is: "Only use sacrificial coatings on concrete substrates." The way it reads is that the only type of coating to use on concrete substrates is Sacrificial Coatings. Is that the intent, or did you mean to say that sacrificial coatings should only be used on concrete substrates?

I am in concurrence with your comment and have made your suggested change. Thank you for your time and assistance.

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Comment:

Currently the only approved Anti-Graffiti coating is a product manufactured by Tex-Cote, to my knowledge the 975-9 Spec has not been updated to reflect the previous industry review which

stated that the requirements were harsh for sacrificial waxes. With Tex-Cote being the only Sacrificial Anti Graffiti coating this would mean that Tex Cote would be the only approved Class 5 acrylic coating. PLease advise if the 975-9 spec has had the requirements specified more clearly between Sacrificial and permanent testing

Thank you for taking the time to review this specification. The material requirements for Anti-graffiti coatings will be contained in the ***proposed*** *section 975. Below is an excerpt containing these material requirements. Note that the table is broken into sacrificial and non-sacrificial. The modifications below should address this issue:*

Laboratory Testing- Non-Sacrificial		
Property	*Test Method*	*Requirement*
Cyclic Weather Testing	*AASHTO R-31*	*No blistering, cracking, checking, chalking, or delamination; color change less than 3 Delta E CIE LAB units; Retention of 60° Gloss ratio >= 0.80*
Taber Abrasion ~~Resistance~~	*ASTM D4060~~968~~, CS17, 1,000 g~~liters~~ of sand*	*60 g maximum weight loss~~No loss of coating thickness per ASTM D1005~~*
Impact Resistance	*ASTM D2794*	*Minimum of 30 inch-pounds*
Graffiti Resistance	*ASTM D6578, Use identified marking materials; initial and recleanability; and after exposure initial and recleanability*	*Cleanability Level 1, 2, or 3.*
MEK Double Rub	*ASTM D 5402; 50 rubs*	*No coating wear through (4 minimum rating)*
Fluid Resistance	*ASTM D1308; Paint Thinner, Gasoline*	*No blistering, discoloration, softening or adhesion loss.*

Laboratory Testing- Sacrificial		
Property	*Test Method*	*Requirement*
Cyclic Weather Testing	*AASHTO R-31, no salt fog, 95 degrees Fahrenheit, 0%- 90% Relative Humidity, 500 hours, alternating RH every 100 hours*	*No melting or disbondment*
Graffiti Resistance	*ASTM D6578, Use identified marking materials; initial and recleanability; and after exposure initial and recleanability*	*Cleanability Level 1, 2, or 3.*
Sacrificial Coating removability	*Per Manufacturer's specifications: 6 months exposure at FDOT test site*	*Complete removal of material from substrate*

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