

**9750203 STRUCTURAL COATING MATERIALS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW**

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Karen Byram  
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Comments: (9-20-17, Internal)

Why are we changing to a one coat system on interior box girders?

(Reply 9-20-17 by Steve Duke, SMO)

The one coat system will provide more than adequate corrosion protection and give maintenance the visibility they need for required for inspection. It should also speed up fabrication times and save the department funds.

(9-20-17: Byram comments regarding response)

I have some concerns regarding this proposed change. For design reasons, not all bridges will be fabricated from weathering steel. Did the research include single coat system performance given the time differences from fabrication, to coating, to installation. The time elapse may be years and without the protective zinc coating, the box may be subjected to corrosion from exposure. There is also the issue of slip joints and faying surfaces. How will these surfaces be handled if there is not a zinc primer coat (SSPC standards)? The spec change that was submitted did not include a slip coefficient for the single coating system.

(10-6-17, Industry)

I so not agree with the proposal to remove the zinc primer. I have requested and not received the research that was the basis of this decision. The submitter of this change informed me that this was to be used only for weathering steel. Not all structures are made from weathering steel.

Response:

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Comments: (10-19-17)

If this revision will not involve an APL change or addition (per the Origination), how will the epoxy be selected and approved for a project involving tub girder interiors? Would it follow naturally from APL 560, use of the same epoxy mid-coat approved for a given manufacturer, or can the manufacturer submit any 'white polyamide or cycloaliphatic amine epoxy' they choose on a project by project basis?

Response:

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