

9710605 PAVEMENT MARKING MATERIALS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (11-19-15)

971-6.5.1 = I the 5 maximum retro with or without drop on glass? 711-4.4 implies black marking get drop on glass 971-10.2, -10.3 and -10.4 = how will compliance be verified? FL DOT lab, independent lab test reports, supplier lab report? 971-10.4.3 = is the 55 initial BPN done with or without drop on material, and is it tested in the lab or on the road?

Response: Section 971-6.5 refers to the preformed thermoplastic section of the specifications. The black contrast thermoplastic does not have glass spheres. The portion of Section 711-4.4 that requires a mixture of glass and sharp silica sand is only for standard thermoplastic lines not preformed thermoplastic lines.

Compliance for qualification on the APL will be by independent test lab. After prequalification project Quality assurance testing may be performed by the FDOT Materials office.

The initial BPN is based on the manufacturer's installation requirements. In the case of this material that we tested, the installation requires drop on beads and drop on skid resistant elements. The friction testing was measured after the drop on beads and elements.

No changes made.

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Comments: (11-25-15)

971-10 The title "High Skid Thermoplastic Material" might be considered as thermoplastic that creates high skid problems. Consider alternative title such as "High Friction Thermoplastic".

Response: Agree, change made.

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Comments: (12-1-15)

The BPN in Section 971-10-.4.3 references pedestrian skid resistance. The concern for skidding is related to vehicles because of the surface area of the roadway covered by the markings. The DFT testing as identified in 523-2.2 is a better criteria to use for that purpose.

Response: Section 10-4.3 does not reference pedestrian skid resistance. I agree it is for both. Yes, I would like to change all of our current requirements that have BPN to DFT but we need

to have correlation data to support the DFT values. I have also heard some concerns by independent testing labs that the testing equipment is so expensive for such limited use. This is something we need to work out in the future. No changes made.

Dee Kane
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Comments: (12-7-15)

971-10.3: Suggest the sentence read "The reflective elements in the intermix shall be determined by the manufacturer and identified on the (APL) Approved Products List."

Response: Agree, change made.
