

7110000 Thermoplastic Pavement Markings
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (12-6-21 Internal)

Adding a specification for Hot Applied High Friction Thermoplastic is going to be a problem for industry. There is only one product on the APL (Ennis) and they have not made this product available to industry. Additionally, nobody in industry has any experience putting this product down. The current use of Preformed Thermoplastic in crosswalks and bike lanes is working fine so I don't see any reason to be adding this product to the mix. Trying to get the proper friction levels in the field using a double drop handliner will undoubtedly be difficult and will add an additional complication that is unnecessary.

Response: (Stefanie D. Maxwell, P.E. Manager, FDOT Program Management Office)

High friction thermoplastic has been in the specs since July 2016. We did add the term "hot-applied" in front of high friction thermoplastic in the spec; it was implied all along. We also added "hot-applied" in front of standard and refurbishment thermoplastic, although implied before, to distinguish our "hot-applied" thermoplastic from our "preformed" thermoplastic. We will include the term "hot-applied" in front of our standard thermoplastic and the high friction thermoplastic on the APL, too.

We don't have a separate pay item for it, and I could not find anywhere that we have used it. We are not trying to emphasize it, just trying to clarify it from preformed thermoplastic in our specs.

Designers have not and will not call out for it to be used. It is and was included in the spec to allow it as an alternative to preformed thermoplastic special emphasis crosswalk markings only. See below.

711-4.1.2 Hot-Applied High Friction Thermoplastic: High friction hot-applied thermoplastic may be used as an alternative to preformed thermoplastic for special emphasis crosswalk markings. Apply markings only by gravity or air pressure thermoplastic hand liners set-up with double drop bead attachments. Install markings in accordance with the manufacturer's recommendations.

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Comments: (12-8-21 Industry)

711-4.4.3 Do we need the last sentence if the glass spheres and friction elements are factory supplied? Also, recommending change friction resistant materials with friction elements to be consistent with 971.

Response: Agreed. I have made modifications to the proposed specification based on these comments.