

Thermoplastic Pavement Markings

Heat-Fused, Preformed Thermoplastic

Supplier	Brand
Crown Technology, LLC Thomaston, GA	Tuff-Mark White Preformed Thermoplastic (asphalt pavement applications only) Tuff-Mark Yellow Preformed Thermoplastic (asphalt pavement applications only)
Ennis-Flint, Inc. Greensboro, NC - Thomasville, NC,	Flametape PREMARK
Geveko Markings Inc. Gainesville, GA	OPTAMARK - White
Ozark Materials, LLC Greenville, AL	Preformed Thermoplastic - White Preformed Thermoplastic - Yellow
Preform LLC St. Augustine, FL	PREFORM PSFW (125mil White)

Thermoplastic

Supplier	Brand
Crown Technology, LLC Woodbury, GA	01-WAX-BADA (White Alkyd) 01-WHX-BADA (White Hydrocarbon) 60-YAX-AADA Ecotherm (Yellow Alkyd) 60-YHX-AADA Ecotherm (Yellow Hydrocarbon)

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Supplier

Brand

Ennis-Flint, Inc.
Greensboro,NC-Thomasville,NC-
Ennis,TX-Brownwood,TX,

886074 AR-AK-SX-W-1 (White Alkyd)
886074PT AR-AK-SX-W-1 (White Alkyd Pelletized)
886076 AR-HY-SX-W-1 (White Hydrocarbon)
886078 AR-AK-SX-LF-1 (Yellow Alkyd Lead-Free)
886078PT AR-AK-SX-LF-1 (Yellow Alkyd Lead-Free Pelletized)
886079 AR-AK-SX-LF-2 (Yellow Alkyd Lead-Free)
886080 AR-HY-SX-LF-3 (Yellow Hydrocarbon Lead-Free)
886081 AR-HY-SX-LF-4 (Yellow Hydrocarbon Lead-Free)
ThermoDrop AA A RE W 30I 70 TP1 (White Alkyd)
ThermoDrop AR A RE W 30I 70 TP1 (White Alkyd)
ThermoDrop AR A RE Y 30I 70 TP1 (Yellow Alkyd)
W1X1256, White Smart Mark Alkyd
W2X1256, White Smart Mark Hydrocarbon
Y1X1206, Yellow Solar Smart Alkyd

Ozark Materials, LLC
Greenville, AL

11313-00 (White Alkyd Thermoplastic)
21313-00 (Yellow Alkyd Lead-Free Thermoplastic)

Potters Industries. LLC
Brownwood, TX

ThermoDrop AA A RE W 30I 70 TP1 (White Alkyd)
ThermoDrop AR A RE W 30I 70 TP1 (White Alkyd)
ThermoDrop AR A RE Y 30I 70 TP1 (Yellow Alkyd)

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Supplier	Brand
Swarco Industries, Inc. Columbia, TN	2633AWARR (White Alkyd)
	2903AWHRR (White Hydrocarbon Ribbon)
	3186AYHRR (Yellow Hydrocarbon Lead-Free Ribbon)
	3247AYARR (Yellow Alkyd Lead-Free Ribbon)

Method of Documentation of Acceptance:

By brand and supplier.

Method of Approval:

- Along with a cover letter requesting approval, the manufacturer shall submit samples and product information, including printed instructions for application. Thermoplastic pavement marking material shall require a minimum of a 50 Lb. bag or block. Heat-fused, pre-formed thermoplastic pavement marking material shall require three (3) linear feet of material with and without the pre-applied top elements.
- The manufacturer will provide the Materials Division of the Arkansas Department of Transportation (ARDOT) with a copy of a certified test report from an independent testing laboratory showing that the thermoplastic pavement marking / heat-fused, pre-formed thermoplastic pavement marking complies with the current requirements of ARDOT's Standard Specifications for Highway Construction. All certified test reports shall include the manufacturer's name, formulation/brand name of the product, and the date of manufacture.

Note: Heat-fused, pre-formed thermoplastic pavement marking material when tested without pre-applied surface reflective elements shall not be required to meet Specific Gravity, Drying Time, Impact Resistance, Softening Point, Flowability, or Flowability-Extended Heating as defined in AASHTO M 249 due to the relevant material differences by being pre-formed. Provisions shall be made in the test method to utilize the heat-fused, preformed thermoplastic pavement marking material in its pre-formed state when practical, otherwise, the material will be remelted at $218\pm 1^{\circ}\text{C}$ until homogenous. Color, Yellowness Index, and composition characteristics will be tested without pre-applied, top reflective elements. Cracking Resistance at Low Temperature specimens shall be applied to concrete blocks

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according to the manufacturer's recommendation for highway application.

- The manufacturer will provide the Materials Division with final results for laboratory testing and field performance as evaluated by the National Transportation Product Evaluation Program (NTPEP).
- The performance of the pavement marking material will be evaluated based on Department testing and the submitted test reports. If the material meets the specifications, a letter and certification agreement will be sent to the manufacturer. Placement on the QPL will be upon receipt of the signed certification agreement.
- Destination samples will be taken as deemed necessary by the Materials Engineer to assure compliance with specifications. Failure of these samples either in the laboratory or in field applications is sufficient reason to reconsider acceptance of the material. Suspension of further use and/or removal from the QPL may occur until the Materials Engineer determines that the product is in compliance with applicable specifications and requirements.
- Each container of approved thermoplastic pavement markings supplied to Department projects shall be clearly and adequately marked with the formulation/brand names, and, per the requirements of AASHTO M 249, shall indicate the color, weight, batch or lot number, and type of material, as applicable.
- No information contained in these lists is to be used for promotional purposes.
- The manufacturer of privately labeled products must be disclosed.