

AIRMARK®

Preformed Thermoplastic Pavement Markings for Airfields
White, Yellow, Black, Red, and Pink

ENNIS-FLINT® by PPG

Product data sheet

ENNIS-FLINT® by PPG *AirMark* preformed thermoplastic pavement markings for airfields is a durable preformed thermoplastic pavement marking material for airfields that is FAA tested and approved for taxiways, gates, aprons, ramps, and vehicle roadways on the airside. It contains a homogenous mixture of polymeric thermoplastic binders, pigments, fillers, and glass beads, factory produced in an ISO 9001:2015 certified facility. A resilient thermoplastic product with uniformly distributed glass beads throughout the entire cross-sectional area, AirMark® multicolored markings consist of interconnected individual pieces of material that are factory assembled in a uniform 65-mil thickness. Supports long-term performance regarding bond, retroreflectivity, and UV resistance. It's also resistant to degradation by aviation and motor fuels, lubricants, and deicers.

Product highlights

- No-Preheat type of preformed thermoplastic material - preheating the pavement surface to a specific temperature is not required before application
- Markings may be applied at ambient and pavement temperatures down to 35°F
- Heating indicators (indents) act as visual cue that markings have reached a molten state, allowing for proper adhesion and bead embedment
- Produced in the US in an ISO 9001:2015 certified facility; the scope of certification includes the design, development, and manufacturing of preformed thermoplastic markings
- Pre-cut and ready to use out of the box
- Simple application utilizes low-cost application equipment
- Durable; lasts 6 to 8 times longer than paint
- Modifies easily in field with razor knife or heavy-duty scissors
- Sustainable product with small environmental impact - recycled materials make up 60% of the product and 29% of the components are rapidly renewable materials



Technical data

Physical Properties	Result	
% Binder	18% minimum	
% Glass	30-40%	
Intermix Glass Spec	TT-B-1325 Type IV Gradation B	
Drop-On Glass Spec	TT-B-1325 Type IV Gradation A & TT-B-1325 Type I Gradation A	
% TiO2 in the White	10% minimum	
595B Color	White: 37925 Yellow: 33538	
Reflectance (Y Value)	White: 80% minimum Yellow: 45% minimum	
Minimum Impact Resistance	12-inch pounds	
Minimum Skid Resistance	45 BPN	
Minimum Retroreflectivity	White: 225 mcd ² minimum Yellow: 100 mcd ² minimum Red: 35 mcd ² minimum	
Thickness Minimum	65 mils	
Test Properties	Test Method	Result
N/A	N/A	N/A
N/A	N/A	N/A



Coverage

N/A

Packaging

Linear material is cut to a maximum of 3 ft. (0.91 m) long pieces. Interconnected linear and surface signage will be packaged in rolls.



Storage

The minimum shelf life of the product is two years from date of manufacture with proper storage. AirMark shall be kept dry at all times and avoid extreme storage temperatures. AirMark shall be stored in a building that is between 35°F and 90°F.

Installation and surface preparations



Surface Preparation

The pavement must be clean, dry, and free of debris. Two-part sealer is applied before application to ensure proper adhesion.



Weather Conditions

The material is applied at an ambient and pavement temperatures down to 35°F.



Equipment

To ensure minimum single-pass application time and optimum bond in the marking/substrate interface, the materials shall be applied using a variable-speed, self-propelled mobile heater with an effective heating width of no less than 16 ft. (4.88m) and a free span between supporting wheels of no less than 18 ft. (5.49m). Heater shall have a minimum output of 17,500 Btu/sq. ft.



Dry Time

During warm weather, it may take longer for the material to cool down. To shorten the cooling process, especially in hot temperatures, water can be dispersed over the markings after application steps are completed.



Safety

N/A

Specifications (Effective Date)

Federal: Meets AC 150/5370-10 item P-620, ASTM E303 (12/18/2024)



WARNING: Certain colors of this product may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to [P65Warnings.ca.gov](https://www.p65warnings.ca.gov).

This document contains general information only and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

The PPG Logo is a registered trademarks of PPG Industries Ohio, Inc. Ennis-Flint and PreMarkXF are registered trademarks of the PPG Group of Companies. The IN Logo is a registered trademark of LinkedIn Corporation. ©2024 PPG Industries, Inc. All rights reserved. 12/24