EF Series

PAVEMARK® Thermoplastic

PRODUCT DATA

Product Type:	**Alkyd Extrude Thermoplastic**	
Product Code:	**884490 or 884481 884685**	
Product Color:	White	Lead Free Yellow
Description:	TM WHT ALK AA EXTRD	
	TM LF YEL ALK AA EXTRD	
Specification:	Meets AASHTO M-249	
Effective Date:	2-21-17	

Product Description:
Ennis-Flint's Alkyd Extrude Thermoplastic Pavement Marking Material is a 100% solids material blend of binder, pigments and glass beads that must be melted to a temperature of at least 425˚F (218˚C), mixed well and applied in a molten/liquid state to the pavement. Roadway surface temperature at the time of application should be 50˚F (10˚C) and rising. Upon cooling to normal pavement temperature, thermoplastic provides a very durable marking material for low and high volume traffic areas.

Product Advantages:

- Non-flammable and below 150 VOC
- Demonstrates excellent bead retention and abrasion resistance
- Fast set up keeps traffic control to a minimum when striping
- Can be used for symbols, legends and lane marking
- A low cost per useful life durable form of delineation

Packaging:
Thermoplastic is sold in one ton increments (2000 pounds). The ton is divided into 40 heat degradable bags each weighing approximately 50 pounds.

Storage:
The shelf life of the product is one year from date of manufacture with proper storage. Proper storage includes inside or covered to prevent from moisture, and below 120F. Outside storage for short intervals is acceptable as long as the material is kept dry. The older the material, more agitation and dwell time is required to fully melt and mix the granular ingredients.

Conditions for Application:
All surfaces must be clean, dry and free from oil, grease, antifreeze, loose sand, aggregate and chipping/peeling existing striping. Any curing compounds used on new concrete must be mechanically abraded off prior to striping and use of a primer is strongly suggested. Concrete should be allowed to cure 14 days. When in doubt, always test adhesion. While thermoplastic may be installed behind the paver once the mat cools, new asphalt should be allowed to cure for a minimum of 14 days to maximize adhesion and durability.

Coverage:
One tons yields approximately 6000 feet of 4" stripe @ 90 mils – surface texture will decrease the yield.

Physical Characteristics:

% Binder	**18% minimum**
% Glass:	**30-40%**
Intermix glass spec:	**M-247 type I**
% TiO2 in the white:	**10% minimum**
595B color, white:	**17886**
595B color, yellow:	**13538**
White Reflectance (Y value):	**75 minimum**
Yellow Reflectance (Y value):	**45 minimum**
Minimum Impact Resistance:	**10 inch pounds**
Softening Point:	**200-230°F**
Yellowness index, white:	**0.12 maximum**

Dry Time: With drop on glass beads applied, the thermoplastic material shall be sufficiently tack-free to carry traffic in not more than 2 minutes when pavement surface temperature is at 50˚F, and not more than 10 minutes when pavement surface temperature is 130ºF.

Limitations: Applying a test strip to determine if surface is dry enough if there has been rain in the last 24 hours.

- Do not apply if hot material shows moisture bubbles.
- Do not heat thermoplastic above 450°F.
- Do not apply when road and ambient temperatures are below 50°F.
- Do not apply when temperatures are near or below the dew point.
- Material at application is hot – please wear personal protective equipment as described in MSDS

The product data offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warranty, expressed or implied. Because the conditions of use are beyond our control, neither Ennis-Flint nor its agents shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product described herein. As Ennis-Flint has neither control over the installation of product described herein nor control of the environmental factors the installed markings are subjected to, there is no guarantee as to the durability or the retroreflective properties of any marking system applied. No person is authorized to make any statement or recommendation not contained in the Product Data, and any such statement or recommendation, if made, shall not bind the Corporation. Further, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents, and no license under the claims of any patent is either implied or granted.

ENNIS-FLINT
A Traffic Safety Solutions Company
800.331.8118 sales@ennisflint.com www.ennisflint.com
©2013 Ennis-Flint. All Rights Reserved