EF Series

Extended Season Waterborne Traffic Paint

985351, 985352, 985353

ENNIS-FLINT® by PPG

Product data sheet

ENNIS-FLINT® by PPG EF Series extended season waterborne traffic paint is user friendly, high solids, fast drying waterborne paint suitable for application by airless or air atomized equipment at film thicknesses between 15 and 30 mils at surface and at air temperatures down to 35° F and above. May be used to stripe roadways, and parking lots with or without pressure-applied glass beads. It offers all of the benefits of a water reducible paint and quickly dries to a no-track condition.

Product highlights

- Non flammable and below 150 VOC g/L
- Product reduces and cleans up with water
- Performs equally well on both asphalt and concrete
- May be applied down to 35° F with proper cure
- Excellent bead retention
- Keeps traffic control to a minimum when striping
- Can be used for symbols, legends and lane marking

Associated products

- 985351: White
- 985352: Yellow
- 985353: Black

Technical data

Physical Properties	Result
% Total Solids/Weight	75% minimum
% Total Solids/Volume	60% minimum
Viscosity in Krebs Units	75 – 95 at 77° F
Hiding at 15 mils Wet	0.98 minimum
VOC	100 g/L maximum
Weight per Gallon	13 lbs/ maximum
Weight % Pigment Solids	55 – 62%
Reflectance/White (Y Value)	84 minimum
TiO_2 in White	1.0 lbs. minimum
TiO_2 in Yellow	0.25 lbs. minimum
TiO_2 in Black	0.0 lbs. minimum

Coverage

1 gallon yields 320 feet of 4” stripe at 15 mils; 400 feet of 4” stripe at 12 mils.

Packaging

This paint is available in 5-gallon pails, 55-gallon drums and 275-gallon totes. Other packaging available on request.

Storage

Shelf life of the unopened product is 6 to 9 months from date of manufacture with proper storage and minimal agitation. Proper storage includes inside or covered, above 35° F (3° C) and out of direct sunlight. Outside storage for short intervals is acceptable.

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Low-Temperature Waterborne Traffic Paint

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Installation and surface preparations

Surface Preparation

To ensure the best adhesion and properties, the surface must be clean and dry. The surface preparation includes, but is not limited to, cleaning and removal of sealing and curing compounds. All pavements shall be cleaned free of grease, oil, dust dirt, grass, loose gravel, loose or flaking paint and other deleterious materials. The pavement surface to be prepared shall be wider than the material line to be applied, such that a prepared area shall be clean and visible on all sides of the material after application. New asphalt, concrete and seal coated surfaces shall be in place a minimum of two weeks prior to application and all curing compounds must be removed. Any existing marking which may interfere with the performance of the material must be physically removed by any Agency approved method except for the use of chemicals. It would be best practice for all existing markings to be at least 90 percent removed. The material may be applied over temporary paint markings which are well adhered to the substrate and are thinner than 8 mils. Upon completion of the surface preparation, the pavement surface preferably should first be power broomed and vacuumed. An additional compressed air operation, separate from the compressed air guns on the striping applicator, should be used to remove residue and debris resulting from the cleaning work. Compressed air must be used during the striping application. For high solids, fast drying waterborne traffic paint containing 100% cross-linking acrylic latex suitable for application by airless or air atomized equipment at film thicknesses up to 30 mils. Cone whenever necessary

Weather Conditions

For extended season waterborne paint products, ambient air and substrate temperature must be 35F and rising. For fast dry waterborne paint, ambient air and substrate temperature must be 50F and rising. If humidity is increasing above 65%, the dry time will increase. Apply a test strip to determine dry to no-pickup time when the humidity is higher than 65% or the temperature is between 35-55° F ambient and surface. Cone whenever necessary. Do not apply when temperatures are near or below the dew point or rain is forecast within 12 hours. Do not apply if the temperature is expected to fall below freezing for 12 hours after application. Do not apply to wet, icy or salted roads.

Equipment

Do not heat paint in striping system above 110° F. Do not thin more than 5% with water; if paint is thinned, use immediately. Refer to the paint guidebook for further information.

Dry Time

Without drop on glass beads, this paint dries to a lab ASTM D711 no pickup in less than 10 minutes @ 15 mils when ambient and surface temperature are 77° F at 50±5% humidity. When glass beads are applied at a rate of at least 6 pounds per gallon to a 15-mil wet line, the field applied paint will dry to an ASTM D713 no-track in less than 2 minutes when applied at the weather conditions above. A 25-mil line should dry in less than 3 minutes when field applied as described above. Dry time increases during nighttime applications. Dry time increases on re-striping applications.

Safety

Before working on this product, the user is required to read and understand the information provided in the Safety Data Sheets and to follow the safety precautions and good industrial hygiene.

Specifications

AASHTO M-348

Note: PE&AS deck numbers available by request

Effective Date:
11/26/25

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