

EF Series

Fast Dry Waterborne Traffic Paint

ENNIS-FLINT by PPG
Product data sheet

ENNIS-FLINT® by PPG EF Series Fast Dry Waterborne Traffic Paint is a 100% acrylic polymer latex. A high-solids, fast drying waterborne traffic paint suitable for application by airless or air atomized equipment at film thicknesses up to 22 mils. May be used to stripe roadways, airports 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. Available in white, lead-free yellow, black, red, blue, and green according to 595B Standards described in federal specification noted above.

Product highlights

- Waterborne product does not sustain combustion
- Below 100 VOC
- Product reduces and cleans up with water
- Performs equally well on both asphalt and concrete
- May be applied up to 22 wet mils thick
- Excellent bead retention with both standard beads
- Keeps traffic control to a minimum when striping
- Can be used for symbols, legends and lane marking.

Technical data

| Test/Property | Specification | 985201 White | 985202 Yellow | Other Colors |
|------------------------------------------------------------------------------------------|----------------------------|--------------|---------------|--------------|
| % Total solids / weight | 75% min | 75-78% | 76-79% | various |
| % Total solids / volume | 60% min | 60-62% | 62-64% | various |
| Weight % pigment solids | 60% min | 60-62% | 61-63% | various |
| Viscosity @77F | 80 - 90 | 80 - 90 | 80 - 90 | 80 - 90 |
| Grind, Hegman | 3 min | 3.0 + | 3.0 + | 3.0 + |
| Hiding at 5 mils wet | 0.92 min | >=0.92 | >=0.92 | >=0.92 |
| Reflectance (Y) | 85 min white 50 min yellow | 85 min | 50 min | various |
| No pickup time, 15 mil wet, minutes, ASTM D711 | <= 10 | <= 10 | <= 10 | <= 10 |
| Field - No pickup time, 15 mil wet, 6 lbs/gal of glass beads, seconds minutes, ASTM D713 | various | < 90 | < 90 | various |
| Dry through time 15 mils wet, minutes, ASTM D1640 early wash off | <= 120 | <= 120 | <= 120 | various |
| Scrub resistance, cycles, ASTM D4060 | Vary by TT-P-1952 B/E/F | Pass | Pass | various |
| Abrasion resistance, weight loss ASTM D4060, max | Vary by TT-P-1952 B/F | Pass | Pass | various |
| Flexibility D522 | No cracking / chip / flake | Pass | Pass | Pass |
| VOC g/l | 150 max. | <= 100 | <= 100 | <= 100 |

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 one year from date of manufacture with proper storage and minimal agitation. Proper storage includes inside or covered, above 35° F (2° C), and out of direct sunlight. Outside storage for short intervals is acceptable.

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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. All existing markings must 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. Cone whenever necessary.



Weather Conditions

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 rain is forecast within 12 hours. 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 acetone; if paint is thinned, then 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 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 (Effective Date)

Federal: TT-P-1952E/F Type I & II (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).

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