

# SEALMASTER VELOCITY

## Traffic Paint

**SMT-246**

REVISED 03/03/23

### PRODUCT DESCRIPTION & BENEFITS

SealMaster Velocity Traffic Paint is a premium quality, lead-free, 100% acrylic emulsion designed for striping asphalt and concrete pavement surfaces. Features and benefits include:

- Excellent Durability - Superior wear properties over asphalt and concrete surfaces.
- Fast Dry - Fast dry-to-no-pickup time.
- Enhanced Retention of Glass Beads - Excellent long-term night visibility.
- Environmentally Friendly - Low VOC (less than 100 grams per liter volatile organic content).
- User Friendly - Non-flammable, water clean-up, reduced disposal costs, increased worker safety.
- Meet and exceeds TT-P-1952 D, TT-P-1952 E, and TT-P-1952 F Type I and Type II specifications.

### USES

Asphalt or concrete highways, roads, streets, parking lots, and more.

### COMPOSITION

SealMaster Traffic Paint is a water based material comprised of 100% acrylic emulsion resins, specialty pigments, additives, surfactants, mineral fillers, and water.

### SIZES

55-gallon drums, and 5-gallon pails.

### COLOR

White, Yellow, Handicap Blue

### LIMITATIONS

SealMaster Velocity Traffic Paint shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period after application.

### TECHNICAL DATA

SealMaster Velocity Traffic Paint meets and exceeds the chemical composition and performance requirements of Federal Specification TT-P-1952 D, TT-P-1952 E, and TT-P-1952 F Type I and Type II.

### ENVIRONMENTAL CONSIDERATIONS

SealMaster Velocity Traffic Paint is an environmentally friendly 100% acrylic waterborne traffic paint containing less than 100 grams per liter volatile organic content (VOC).

### PHYSICAL/CHEMICAL PROPERTIES

SealMaster Velocity Traffic Paint meets or exceeds the following specifications when tested in accordance with

ASTM D562, ASTM D711, ASTM D713, ASTM D969, ASTM D1210, ASTM D1475, ASTM D1640, ASTM D2243, ASTM D3960, ASTM D2486, ASTM D2805, ASTM E70, and ASTM E1347. (see chart below)

| Chemical & Physical Analysis        |                   |                   |
|-------------------------------------|-------------------|-------------------|
|                                     | White             | Yellow            |
| Weight per Gallon                   | 13.4 lbs/gal      | 13 lbs./gal       |
| Volatile Organic Content (VOC)      | <100 g/l          | <100 g/l          |
| Viscosity (KU)                      | 70-110            | 70-110            |
| Dry to no Pick-Up Time              | <10 min.          | <10 min.          |
| Scrub Resistance                    | 1,000 cycles min. | 1,000 cycles min. |
| Freeze Thaw Cycles                  | 5 cycles min.     | 5 cycles min.     |
| Degree of Bleeding                  | .98 min.          | .98 min.          |
| Fineness of Dispersion (Hegman)     | 3-4               | 3-4               |
| Contrast Ratio @ 5 mils wet         | 0.92 min.         | 0.89 min.         |
| Directional Reflectance             | 86%               | 50%               |
| Dry Opacity                         | 0.92 min.         | 0.92 min.         |
| Total Solids by Weight %            | 70.0 min.         | 70.0 min.         |
| Total Solids by Volume %            | 58.0              | 58.0              |
| Pigment Volume Content %            | 60-62             | 60-62             |
| Pigment Solids % (by weight)        | 61.10             | 62                |
| Dry Through @ 90% Relative Humidity | 2 hrs.            | 2 hrs.            |

### INSTALLATION

Asphalt and concrete pavement surfaces shall be clean and free from all loose materials and dirt. New asphalt surfaces should cure sufficiently to be free of light oils on the surface (4 weeks). Allow freshly applied pavement sealer to cure for at least 24 hours prior to applying traffic paint.

### METHODS

Apply SealMaster Velocity Traffic Paint with spray equipment (with stainless steel components) roller, or brush.

### Recommendations for Airless Spray Line Striper:

- Pressure - 2,000-2,500 PSI
- Tip - .021 - .025
- Filter - 60 mesh

### MIXING PROCEDURES

Stir well and strain before using. Use as is. Do not dilute.

### APPLICATION

Apply Velocity Traffic Paint at a rate of at least 15 mils wet thickness (325 feet of 4-inch line). Apply to properly cleaned pavement with pressurized spray equipment, brush, or roller.

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### **ESTIMATING MATERIAL REQUIREMENTS**

One gallon of SealMaster Velocity Traffic Paint will provide 325 feet of 4-inch line at 15 mils wet thickness.

NOTE - Coverage rates will vary due to pavement porosity and application thickness.

### **PRECAUTIONS**

Both surface and ambient temperature shall be a minimum of 50° F. Temperature shall not drop below 50°F within a 24 hour period following application. Keep out of reach of children. Do not store unopened containers in freezing temperatures.

### **PACKAGING AND AVAILABILITY**

SealMaster Velocity Traffic Paint is available in 5-gallon pails and 55-gallon drums. SealMaster Velocity Traffic Paint is supported by a national network of SealMaster manufacturing facilities along with a national network of qualified applicators.

### **WARRANTY AND DISCLAIMER**

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.

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