PRODUCT DESCRIPTION & BENEFITS
SealMaster Liquid Thermoplastic Traffic Marking Paint is a high performance, highly durable Waterborne traffic marking material. Unique patented cross linking technology provides durability normally associated with Hot-melt Thermoplastics and epoxies. SealMaster Liquid Thermoplastic meets and exceeds the performance requirements of Federal Specification TTP-1952E, TTP-1952F Type III. SealMaster Liquid Thermoplastic can be applied with conventional spray equipment (with stainless steel components) to asphalt, concrete, or existing road markings that are adhering well to the pavement surface. Features include:

- Unique crosslinking chemistry
- Can use existing spray equipment (with stainless steel components)
- Safety, no heating required as with hot melt thermoplastics.
- Single component system, no need to blend as with epoxy systems.
- Can be used over cement or asphalt surfaces.
- Meets and exceeds TTP-1952 E, TTP-1952 F Type III specifications.

BASIC USES
Highways, roads, streets, intersections, legends and cross walks. Also ideal for highly durable parking lot markings.

COMPOSITION
100% acrylic emulsion cross-linking resins, specialty pigments, surfactants, and fillers.

SIZES
55-gallon drums, and 5-gallon pails.

COLOR
Blue

LIMITATIONS
Apply to clean dry surface when surface and air temperature is not expected to drop below 50°F or exceed 120°F in a 24 hour period.

TECHNICAL DATA
SealMaster Liquid Thermoplastic Traffic Marking Paint meets and exceeds the chemical composition and performance requirements of Federal Specification TTP-1952 E, TTP-1952 F Type III.

ENVIRONMENTAL CONSIDERATIONS
SealMaster Liquid Thermoplastic Traffic Marking Paint is an environmentally friendly 100% acrylic emulsion traffic paint containing less than 100 grams per liter volatile organic content (VOC).

<table>
<thead>
<tr>
<th>ASTM</th>
<th>DESCRIPTION</th>
<th>BLUE</th>
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</thead>
<tbody>
<tr>
<td>D2369</td>
<td>Volatile Organic Content (VOC)</td>
<td>&lt;150 g/l</td>
</tr>
<tr>
<td>D562</td>
<td>Viscosity (KU)</td>
<td>70-110</td>
</tr>
<tr>
<td>D2697</td>
<td>Solids by Volume %</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>Solids by Weight %</td>
<td>77.5</td>
</tr>
<tr>
<td>D3723</td>
<td>Pigment Volume Content %</td>
<td>60.00</td>
</tr>
<tr>
<td>D3723</td>
<td>Pigment Solids by Weight %</td>
<td>61.10</td>
</tr>
<tr>
<td>D2805</td>
<td>Dry Opacity</td>
<td>.965</td>
</tr>
<tr>
<td>D711</td>
<td>Drying Time for No Pickup, min</td>
<td>&lt;6 min</td>
</tr>
<tr>
<td>D1210</td>
<td>Fineness of Dispersion, Hegman</td>
<td>3</td>
</tr>
<tr>
<td>D969</td>
<td>Bleeding Ratio</td>
<td>.95</td>
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<tr>
<td></td>
<td>Non-Volatile Portion of Vehicle shall be 100% cross-linking Acrylic Resin</td>
<td>PASSES</td>
</tr>
<tr>
<td></td>
<td>Appearance: - Smooth and Uniform Film</td>
<td>PASSES</td>
</tr>
<tr>
<td>D1849</td>
<td>Accelerated Package Stability: - No change in consistency greater than 5 KU</td>
<td>PASSES</td>
</tr>
<tr>
<td>D522</td>
<td>Flexibility: The paint film shall not blister, wrinkle, lose adhesion, change color, or show other evidence of deterioration</td>
<td>PASSES</td>
</tr>
<tr>
<td>D2243</td>
<td>Freeze-Thaw Stability: - Paint shall show no coagulation or flocculation change in consistency greater than 10 KU or decrease in scrub resistance by more than 10 percent</td>
<td>PASSES</td>
</tr>
<tr>
<td>D968</td>
<td>Abrasion Resistance - Not less than 150 liters of sand to abrade the paint film through the substrate</td>
<td>PASSES</td>
</tr>
<tr>
<td>D2486</td>
<td>Scrub Resistance</td>
<td>&lt;1500 cycles</td>
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</tbody>
</table>

NOTE: Additional ASTM Test Methods employed were D1640, D2244, D3333, D3718, E-1347, G154.

THIS PRODUCT DOES NOT CONTAIN MERCURY, LEAD, HEXAVALENT CHROMIUM, TOLUENE, CHLORINATED SOLVENTS, HYDROLYSABLE CHLORINE DERIVATIVES, ETHYLENE-BASED GYCOL, OR THEIR ACETATES, OR CARCINOGENS.
PHYSICAL/CHEMICAL PROPERTIES:
SealMaster Liquid Thermoplastic Traffic Marking Paint meets or exceeds TT-P-1952 E, TT-P-1952 F Type III when tested in accordance with the following ASTM test methods: D2369, D562, D2697, D3723, D2805, D711, D1210, D969, D1849, D522, D2243, D1729, D968, D2486, D1394, D1640, D2244, D3335, D3718, E1347, G154.

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 Liquid Thermoplastic Traffic Marking Paint with spray equipment (with stainless steel components). Recommended spray tip size is .019” to .023”.

MIXING PROCEDURES
Stir well before using. Use as is. Do not dilute.

APPLICATION
For maximum durability apply at a wet film thickness of 30-35 mils (155-180 ft. of 4-inch line per gallon). When applying at 30-35 wet mils, it is recommended that a larger particle size glass bead be used for optimum retroreflectance and wet night visibility. A bead drop rate of approximately 7 lbs./gal. of paint for a 4-inch line and 30-35 mil thickness is a suitable range which can be fine tuned for optimum performance.

The dry-to-no-pickup time for a 30-35 mil thickness application is typically 5 minutes or less depending on conditions. Liquid Thermoplastic can be applied with standard airless spray equipment with stainless steel components.

COVERAGE
155-180 ft. of 4-inch line per gallon at 30-35 mils wet film 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 Liquid Thermoplastic Traffic Marking Paint is available in 5-gallon pails and 55-gallon drums. Liquid Thermoplastic Traffic Marking 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.

Form No.: SMT-301
Revised: 6/17
Supercedes: SMT-301 (11/12, 7/13, 2/14, 5/16)
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