

1160 SERIES

WATERBORNE ACRYLIC TRAFFIC PAINT (TT-P-1952F TYPE II)



PRODUCT DESCRIPTION

1160 Series is a 100% acrylic waterborne traffic paint formulated to deliver extraordinary performance. It is extremely fast drying over a broad range of applications conditions and has excellent durability.

1160 Series is recommended for striping long line traffic markings on roads and highways, or other traffic surfaces including parking lots, driveways, garages, sidewalks and runways. It may be applied over asphalt and Portland cement concrete surfaces.

1160 Series is available in white, lead-free yellow, black, red, blue and green.

TECHNICAL DATA

PROPERTY	Specifications *	1160 White	1166 Yellow
Pigment by weight	60 - 62%	61% ($\pm 1\%$)	61% ($\pm 1\%$)
Total Solids, by weight	75%, $\pm 2\%$	$\geq 77\%$	$\geq 77\%$
Volume Solids, by volume	60%	$\geq 60.0\%$	$\geq 60.0\%$
Nonvolatile Vehicle, by weight	Varies	$\geq 40.0\%$	$\geq 40.0\%$
Weight per gallon, lbs.	Varies	14.0 \pm 0.3	13.6 \pm 0.3
Viscosity @ 77°F, KU	80 - 90	80 - 90	80 - 90
Grind, Hegman	3	≥ 4	≥ 4
Contrast Ratio	0.92	≥ 0.95	≥ 0.92
Directional Reflectance, 5 mil wet	85 min (white) 50 min (yellow)	≥ 88	≥ 50
Field Test Time, No track time at ambient conditions, seconds	Varies	< 90	< 90
Dry Through Time, 15 mils wet, minutes, ASTM D1640	≤ 120	< 120	< 120
No Pick Up Time (without beads), minutes, ASTM D711	≤ 10	< 10	< 10
Volatile Organic Compound, g/L	≤ 150	< 100	< 100

*Specifications listed are based on Federal Specification TT-P-1952F and multiple state specifications.

ADVANTAGES

- Superior durability
- Excellent hiding and reflectance
- Excellent adhesion
- Fast drying under a wide range of climatic conditions
- Remains flexible over time
- Can be applied with conventional or airless spray equipment
- No thinning necessary

COVERAGE

- 100 square feet per gallon at 15 mils wet film
- 300 linear feet per gallon, 4-inch line at 15 mils wet film thickness

PACKAGING

- 5 gallon pail
- 55 gallon drum
- 250 gallon tote

INSTALLATION & SURFACE PREPARATION

▪ Surface Preparation

In general, coating performance is directly proportional to the quality of surface preparation. Before applying coatings, surfaces must be clean and dry. Remove all grease, oil, gasoline, dirt, grass, loose gravel, old, peeling or flaking paint, and other contaminants. Previous markings that are thinner than 5 mil (150 µm) and adheres well to the surface may be painted over. New asphalt, concrete, and seal-coated surfaces should be in place for a minimum of 30 days prior to application and all residual sealants and curing compounds must be removed.

The prepared area should extend beyond the boundaries of the marking to be applied such that there remains cleaned surface beyond the edges of the applied marking.

▪ Application

- Do not apply when the temperature is below 50° F
- Do not allow coating temperature inside the striping system to go above 110° F
- Do not apply first coat over fresh asphalt at more than 7 wet mils
- Allow first coat to dry before applying second coat
- Do not leave water or water mixed with non-subsiding cleaner for more than 24 hours in spray equipment. It is recommended to use a mixture of glycol solution and water when storing spray equipment longer than 72 hours.

- Surface temperature must be at least 5° F above dew point to prevent condensation.
- DO NOT MIX WITH WATER. This product comes ready mixed.

- **Government Specifications**

Meets Federal Specification FS TT-P-1952F Type II

- **Mixing**

Thoroughly mix prior to use to ensure even coverage. If necessary, strain the paint to remove skins or other foreign debris. Dried paint cannot be reincorporated to its liquid form.

- **Environmental**

Dry paint chips are non-toxic
Meets Federal Clean Air Act Regulations

- **Cleanup**

Immediately clean all equipment after use with fresh water. Dried paint may be removed with a methanol/water mixture or other suitable solvent.

SAFETY

FOR INDUSTRIAL USE ONLY! Not for residential use. Review Safety Data Sheet (SDS) and product label before using. Safety precautions must be strictly followed during storage, handling and use.

STORAGE

Store in a dark, dry, and cool place. Protect from freezing. Water based paints are best utilized within 3 months of delivery but remain usable for 12 months.

WARRANTY

SWARCO Colorado Paint, LLC warrants to the purchaser that this product shall be manufactured without defects when applied according to SWARCO Colorado Paint Application Instructions. This warranty covers material replacement only. Excluded from coverage is labor, any damage to the application surface or any failure of the coating caused other than by defects within the material. Because the conditions of use are beyond our control, SWARCO Colorado Paint shall not be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product herein.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy and completeness thereof is not guaranteed. Data is subject to alteration due to technical advances.

Above information not to be taken as a warranty or representation for which we assume legal responsibility. It is offered solely for consideration, investigation and verification.

If you have any questions about proper application techniques or other technical support issues, please contact your SWARCO sales or customer service representative.

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