

**LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
SPECIFICATIONS**

**WATERBORNE TRAFFIC PAINT  
(STEEL OR PLASTIC TOTES)**

**DESCRIPTION:**

This specification is for white and yellow rapid dry acrylic waterborne traffic paint to be applied on asphaltic or Portland cement concrete pavements. Paint must perform properly when preheated to 120 - 150°F and applied using the Departments equipment and accept glass beads so that the spheres are imbedded to a depth of 50% of their diameter.

**GENERAL REQUIREMENTS:**

Paint shall conform to Section 1015.12 of the 2016 Louisiana Standard Specifications for Roads and Bridges and shall be from an approved source on the Approved Materials List (AML) for Traffic Paint, Waterborne, White and Yellow.

**SUITABILITY:**

Paint shall show no excessive settling, caking or increase in viscosity during six (6) months of storage, and shall be a suitable consistency for standard spray gun application. Flow of paints through the outlet nozzles shall be smooth, uniform and fluid.

**SAMPLING AND HANDLING:**

A (1) quart sample shall be taken at random from each lot (batch) within the shipment received by DOTD. The sample will be tested for compliance with all requirements of this specification by the DOTD Materials and Testing Laboratory. The test results, if acceptable, shall be used for all other shipments of this lot (batch) providing the material is consistent with the initially tested shipment's material and there is nothing questionable that would require additional testing. If the initial sample fails to comply with the requirements of this specification one (1) resample will be tested. The resample will have two (2) check samples. Both check samples must pass for the overall lot (batch) to be acceptable. If all required testing fails to meet this specification during sampling, the entire lot (batch) will be returned to and replaced by the vendor at no cost to the DOTD.

**PACKAGING:**

Paints shall be delivered in a stainless steel or plastic tote with a minimum 250, maximum 275-gallon capacity. The totes shall be constructed to be stackable to two (2) units high. Totes shall be constructed such that the bottom is sloped which will allow for all materials in each tote to be drained completely. Forklift openings shall be accessible from a minimum of two (2) sides while providing proper protection for outlet vents and piping. Each tote shall conform to all Louisiana and Federal DOT specifications for the transportation of traffic paint. If upon delivery and inspection by DOTD, the containers are found to not be in compliance with the specification, the vendor will be notified and required to remove and replace them, at no cost to the Department, with totes that meet the requirements.

**STEEL TOTES:**

1. Totes shall be square or rectangular with welded seams.

2. All wetted parts shall be a minimum of 304 stainless alloy, with tote inner skin to be a minimum of ten (10) gage sheet thickness.
3. Tote shall be sloped toward the two-inch stainless steel outlet. Outlet shall include a two-inch stainless steel full port ball valve and a two inch male camlock style quick connect fitting.
4. Tote shall be fitted with one (1) pressure vent, one (1) vacuum vent and a top opening shall be a minimum of 23 inches.
5. Each tote shall have markings as required by CFR 49 Part 178.703.

**PLASTIC TOTES:**

1. The material shall be HDPE resin as compounded and certified by the manufacturer. The HDPE resin shall contain a U.V. stabilizer as compounded by the resin manufacturer. The frame and pallet shall be zinc or hot dipped galvanized tubular steel.
2. Tote shall be sloped toward the bottom fitting.
3. Bottom Drain Valve: 2-inch full port polypropylene bolted ball valve with a 2-inch male quick disconnect fitting and includes a dust cap. The valve and disconnect shall be leak free and compatible with water borne paint.
4. Top Fill Valve: The top lid shall be a 6-inch screw cap style lid, and shall be easily opened by hand. The screw cap shall have a 2-inch bung incorporated into it to provide a vacuum vent.
5. Each tote shall have markings as required by CFR 49 Part 178.703.

**DOTD IDENTIFICATION MARKINGS:**

Each tote shall bear a label with the following information:

Name and Address of Manufacturer

Trademark or Trade Name

Type of Paint

Number of Gallons in Tote

Batch Number

Material Master Number

Date of Manufacture