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**Insta-Dri® Acrylic
 Waterborne Traffic Paint**

MANUFACTURERS OF PAINT & COATINGS

Insta-Dri® Acrylic Waterborne Traffic Paint TT-P-1952E, Type II

Available Colors: ALT-732 White, ALT-733 Yellow, ALT-734 Blue, ALT-728 Red,
 ALT-731 Black

GENERAL: Allstates Coatings Insta-Dri® Acrylic Traffic Paints are very fast drying paints for use in marking parking lots, airports, and roads. Insta-Dri® may be applied ambient airless or conventional, or may be heated for even faster dry. Insta-Dri® conforms to current VOC regulations and to the requirements of Federal Specification TT-P-1952E, Type I and II, and dry to no pickup in less than ten minutes when properly applied at ambient conditions, or one to two minutes when heated to 140°F (60°C) to 150°F (66°C).

PRODUCT CHARACTERISTICS:

Finish:..... Flat
 %Volume Solids: 58.00 ± 2.00
 %Weight solids:..... 74.00 ± 3.00
 VOC (EPA Method 24):..... <100 g/L; 0.85 lb/gal

Recommended Spreading Rate per coat:

Approximately 320 lineal feet of standard 4" stripe per gallon

	Minimum	Maximum
Wet mils (microns)	15.0	375
Dry mils (microns)	9.0	225
~Coverage sq ft/gal (m²/L)	110	2.7
Theoretical coverage sq ft/gal (m²/L) @ 1 mil/25 microns dft	960	23.5

NOTE: Brush or roll application not recommended. If the asphalt is insufficiently cured, applying a thin coat (approximately ½ the recommended dft) generally reduces the extent of lifting and cracking.

Drying Schedule @ 15.0 mils wet (375 microns):

@77°F/25°C

50% RH

To Touch: 10 minutes

No traffic pickup after: 10 minutes

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life:	12 months, unopened. Store indoors at 40°F (4.5°C) to 100°F (38°C)
Flash Point:	150°F (66°C), PMCC

RECOMMENDED**USES:**

For marking airfields, highways, or parking lots when faster dry times are needed and water based or low VOC coatings are required. These products are less affected by relative humidity than most latex paints, and are ideal for striping when very fast dry times are required.

- Striping contractors
- Shopping centers
- Plant maintenance
- Streets and highways
- Municipalities
- Parking lots
- Airport runways
- State DOT's

PERFORMANCE CHARACTERISTICS:

Test Name	Test Method	TT-P-1952E Requirements	Results
Abrasion Resistance (falling sand)	ASTM D968	150 liters	150 liters
Bead Adhesion	ASTM D968	N/A	150 liters
Bleed Resistance	ASTM D969	N/A	8 minimum
Bleed Ratio	ASTM D969	0.95 min	0.96 min
Color (yellow) (white) (black) (blue) (red)	Fed Std. 595 #33538 #37925 #37038 #35180 #31136	6 CIELAB	Pass
Dry-No-Pickup	ASTM D711	10 minutes max.	10 minutes
Dry Opacity (Contrast ratio)	Fed. Met. 141C at 5 mils wet	0.92 minimum	0.92 minimum
Dry Through (early washout)	ASTM D1640	2 hrs @ 90% RH	2 hrs @ 90% RH
Flash Point	ASTM D3278	N/A	150°F (66°C)
Fineness of Grind	ASTM D1210	3 Hegman min.	3 Hegman min.
Flexibility	ASTM D522	Pass	Pass
Freeze-Thaw Resistance	ASTM D2243	3 cycles	5 cycles
Heat Shear Stability	ASTM D1849	68-105 KU	68-105 KU
Reflectance (white only)	ASTM-E97	85% minimum	85% minimum
Scrub Resistance	ASTM D2486	500 cycles min.	500 cycles min.
Viscosity	ASTM D562	80-90 KU	80-90 KU
Volatile Organic Compounds	ASTM D3960 Excluding water	150 g per liter	87 g/l; 0.73 lbs/gal

COMPOSITION INFORMATION:

Total Weight: 58±2% minimum by volume
74±3% minimum by weight

Pigment Weight Percent: 60 to 62%

Non-Volatile Vehicle: 40% minimum

Vehicle Type: Acrylic Latex Polymer

As per the requirements of TT-P-1952E, paragraph 3.1.2, these products do not contain mercury, lead, hexavalent chromium, toluene, chlorinated solvents, hydrolysable chlorine derivatives, ethylene based glycol ethers or their acetates.

SURFACE

PREPARATION: Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

This information is to assist customers in determining if this product is suitable for the proposed application, and to satisfy themselves as to the suitability of the contents. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent implied. 12/8/05

Surfaces should be clean, dry and free from loose or peeling paint. Do not apply when air or surface temperatures are below 50° F (10°C), or when the relative humidity exceeds 85%, or when the temperature falls below the dew point.

The presence of concrete sealers or efflorescence on new concrete may interfere with adhesion and should be removed by extended weathering, etching, or abrasive blasting. Most previously painted lines may be repainted without additional surface preparation provided the old paint is still tightly adhered to the surface. However, multiple layers of paint will eventually peel and require removal.

New asphalt surfaces should ideally be allowed to age several months before striping. Latex paint will not bleed on most asphalt surfaces; however, shrinkage of the paint film during curing can cause new asphalt to lift or crack. Exceeding the recommended film thickness will increase the tendency to cause asphalt lifting. Placing an inconspicuous test stripe to determine if a new asphalt surface has cured sufficiently to paint is recommended.

If it is necessary to paint new asphalt surfaces, do not exceed an application rate of 8 mils (200 microns) wet (approximately 200 sq ft/gal/4.9 m²/L). Special care should be given to laps and edges of stencils to prevent excessive film thickness.

APPLICATION: Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

Apply paint at the recommended film thickness and spreading rate. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

APPLICATION CONDITIONS:

Temperature:	50°F (10°C) minimum, 110°F (43°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

APPLICATION EQUIPMENT: The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer/Clean Up..... Water

Airless Spray Line Striping Equipment

Pressure	1800-2700 psi
Hose	1/4"-3/8" ID
Tip.....	.015"-.019"
Filter.....	60 mesh
Reduction	As needed up to 10% by volume

Conventional Spray Line Striping Equipment

Gun.....	Binks 21 (Bleeder)
Fluid Nozzle	#68
Air Nozzle	Internal mix, #709
Atomization Pressure	20-80 psi
Fluid Pressure	30-60 psi
Reduction	As needed up to 10% by volume

Brush Not recommended

Roller Not recommended

NOTE: Fluid and atomization pressures are dependent on environmental conditions. Use the lowest pressures necessary to achieve a "flat line".

If the striping machine is also used for solvent based paints, care must be taken to prevent contamination of the paint types.

Heated air atomized spray may also be used to enhance the sprayability and to further decrease the dry time. If heat is used, the system must be designed to prevent paint temperatures from exceeding 160°F (71°C) at any time.

Important: All metallic wetted parts must be stainless steel. Contact with brass, cold steel, and especially galvanized steel may cause gelation of the paint.

If specific application equipment is not listed above, equivalent equipment may be substituted.

CLEAN UP

INSTRUCTIONS: Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturers' safety recommendations when using mineral spirits.

PERFORMANCE

TIPS: Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with water.

Asphalt surfaces generally require aging prior to painting. If the asphalt is insufficiently cured, applying a thin coat (approximately ½ the recommended dft) generally reduces the extent of lifting and cracking.

Check adhesion by applying a test strip to determine the readiness for painting.

The coating may be made into reflective paint by dropping on glass beads while the paint is still wet.

Painted surfaces can become slippery when wet. Traffic paints are not intended for use as floor paints, and should not be used to paint large areas subject to pedestrian traffic. For instance, painting an entire traffic stall is not recommended.

Heated air atomized spray may also be used to enhance the sprayability and to further decrease the dry time. If heat is used, the system must be designed to prevent paint temperatures from exceeding 160°F at any time.

Do not paint on wet surfaces.

Do not paint when the relative humidity is above 85%.
Do not paint when the temperature is below 50°F (10°C).

Cool, damp conditions will prolong the drying time.

CAUTION: **KEEP FROM FREEZING.** Do not stripe when rain is in forecast, on wet surfaces, or when temperature is below 45°F. Wash tools in water. Use a suitable paint thinner if material has dried. Do not store in direct sunlight. Container should be closed when not in use. Because of alkali inherent in concrete surfaces there is no product guarantee on these. Keep out of the reach of children. **Refer to the MSDS sheet before use.**
Published technical data and instructions are subject to change without notice. Contact your Allstates Coatings representative for additional technical data and instruction.

PACKAGING: 5 gallon pails, 55 gallon drums and 250 gallon totes.
Weight per gallon: 13.80-14.10 ± 0.2 lbs/gal