



Commercial • Industrial • Residential

## TECHNICAL DATA SHEET

### DRIVELINE®

## ZONE

OIL ALKYD TRAFFIC STRIPING & ZONE MARKING PAINT (7171Z Series)

### DESCRIPTION

DRIVELINE® ZONE is a High Quality, Conventional, Fast-Drying, Alkyd-Oil Traffic & Marking paint available in 5 Colors, conforming to the U.S. Bureau of Public Roads colors.

Formulated with High-Solids for Excellent Durability, High Visibility and Low Dirt Pick-up, DRIVELINE ZONE is also designed to be User Friendly and Ready-to-Use.

DRIVELINE ZONE can be applied with or without pressure applied glass beads and with a Brush, Roller or Airless or Air-atomized Spray Equipment and can be applied down to surface & air temperatures of 35F. With Superior Bead retention, DRIVELINE ZONE requires minimal Traffic control when striping/markings and can be driven on within 2 Hours.

- Conforms to U.S. Bureau of Public Roads colors
- Excellent Durability
- High Visibility
- Superior Bead Retention
- Minimum Traffic Control When Striping
- High-Solids
- Fast Drying
- Low Dirt Pick-up
- Drive on Paint within 2 hours

### INTENDED USE:

- This '**Best in Class**' product is **designed** for use by Professional Contractors on properly prepared **exterior** Cured Asphalt, Concrete, Brick, Roadways, Parking lots, Curbs and Runways/Airports
- Ideal for Marking Curbs, Parking Spaces and Crosswalks in Shopping Centers, Municipalities, Apartment Communities, Educational Institutions, Hospitals, Property Management, Plant/Factory Maintenance, Asphalt Sealing, Pavement striping and Airfield & Highway projects
- Can also be used for Symbols, Legends, Lane Markings and Directional Marking for Driveways

### COATING PROPERTIES

Coating Category	Pigmented Oil Alkyd for Striping
Package Size	Available in <b>One</b> gallon cans, <b>Five</b> gallon pails Available in <b>Drums &amp; Totes</b> as Special order/MTO
Viscosity	70 – 75 KU's
<b>MPI CERTIFICATIONS</b>	<b>#32</b>
OTHER CERTIFICATIONS	
VOC	<450 g/L
Recommended Film Thickness per coat:	
Wet Film	12.0 – 15.0 mils
Dry Film	5.4 – 6.8 mils

### TEST RESULTS

#### Flexibility:

Method: ASTM D522 (1/2" Mandrel)  
Result: Pass (180° bend, 1/2" mandrel)

#### Fineness of Grind:

White: 2.0+  
Yellow: 2.0+  
Red: 2.0+  
Blue: 2.0+  
Black: 2.0+

#### Dry-No-Pickup:

ASTM D711 with ambient & surface temperature at 77F and 50(±5)% humidity: No pickup in 25 minutes @ 15 mils

#### Reflectance:

White: 85%  
Yellow: 50%  
Red: 13%  
Blue: 16%  
Black: 4%

#### Contrast Ratio: ASTM-D2805

White: 0.94  
Yellow: 0.80  
Red: 0.98  
Blue: 0.94  
Black: 0.99

### SKU INFORMATION:

White: 7171Z01  
Yellow: 7171Z88  
Red: 7171Z82  
Blue: 7171Z83  
Black: 7171Z99 (MTO only)

### PRODUCT WEIGHT:

White: 11.75 lb. per gallon  
Yellow: 10.82 lb. per gallon  
Red: 11.42 lb. per gallon  
Blue: 10.92 lb. per gallon  
Black: 10.86 lb. per gallon (MTO)

### FEATURES/BENEFITS:

- Conforms to U.S. Bureau of Public Roads Colors
- Superior Bead Retention
- Fast Drying
- Excellent Durability
- High Visibility
- Low Dirt Pick-up
- Can be used with Stencils

### MARKETS / END-USES:

- Shopping Centers
- Municipalities
- Educational Institutions
- Hospitals
- Apartment Communities
- Property Management
- Plant/Factory Maintenance
- Asphalt Sealing
- Pavement Striping
- Roadways & Highways
- Runways & Airfields

### SUBSTRATES:

Properly Prepared Exterior:

- Cured Asphalt
- Concrete
- Brick
- Parking lots
- Curbs
- Roadways/Highways
- Airfields

### FEDERAL COLORS INFO:

White: 37925  
Yellow: 33538  
Red: 31136  
Blue: 35180  
Black: 37038

### VOC COMPLIANCE:

- S.C.A.Q.M.D. - NO
- CARB SCM 2020 - NO
- OTC - NO



Rodda Paint Company  
6107 North Marine Drive, Portland, Oregon 97203, USA  
1.800.452.2315  
[www.rodmapaint.com](http://www.rodmapaint.com)



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Revised: 4.1.25



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## COVERAGE INFORMATION

VOLUME Solids	45% +/- 2% depending on Color
WEIGHT Solids	68% +/- 2% depending on Color
Finish: Gloss (@60°) Sheen (@85°)	2-12; Flat NA
Applied Coverage	1 gallon yields 320 feet of 4" stripe @ 15 mils; 400 feet of 4" stripe @ 12 mils <b>Note:</b> Actual coverage dependent on substrate/surface profile and application method, i.e. - mil thickness, application technique and type of spray tip/amount of fallout Application of Coating BELOW the MINIMUM Recommended Spread Rate will Adversely Affect the Coating's Performance Please <b>contact</b> your Sales Representative for <b>specific</b> project recommendations
Shelf Life	<b>Maximum Shelf Life of 12 months</b> when stored in unopened containers. Subject to re-inspection.
Storage Requirements	Store indoors at 40F – 90F. Keep from Freezing! Store in a Well-Ventilated place. Keep cool. <b>STORE LOCKED UP!</b>

## APPLICATION PARAMETERS

Relative Humidity Restrictions	<b>Do not exceed 85%</b> during application or curing phase
Minimum Application Temperature	35F (air/substrate); At least 5F above Dewpoint
Maximum Application Temperature	100F (air/substrate)
Flash Point	13F +/- 2F depending on Color
Application & Curing Information – <b>DRY</b> Time	<b>At 77F &amp; 50(±5)% Relative Humidity</b>  <b>WITHOUT</b> Drop on Glass Beads: This paint dries to a lab ASTM D711 NO Pickup/Dy to Touch in 25 minutes  <b>WITH</b> Drop on Glass Beads (6lbs/Gallon): With Glass Bead application at a rate of 6 Lb./Gallon to a 15 mil wet line, this field applied paint dries to an ASTM D713 NO Pickup/Dy to Touch in 25 minutes  <b>DRY to DRIVE ON</b> (With or Without Drop on Glass Beads): 2 hours  <b>Note:</b> Film thickness, temperature, humidity and air movement will affect dry/cure times The NO track and through dry times will increase as the temperature decreases.
Technical Notes	•Painted surfaces can become slippery when wet! •Striping paints are not intended for use as floor paints and should not be used to paint large areas subject to pedestrian traffic...For example it is not recommended to paint an entire traffic stall

## COATING RECOMMENDATION:

- Superior performance will result from properly preparing the Surface
- Make sure product is completely agitated, mechanically (at low power speed) or manually prior to use  
**NOTE:** Air, surface and product temperature must be at 35F - 100F during application and drying

## MIXING:

- Mix well before using
- Stir thoroughly to a uniform consistency before & during use
- Keep containers tightly sealed when not in use

## THINNING/REDUCERS:

- NONE Recommended

## APPLICATOR INFORMATION:

**BRUSH:** Natural Bristle

**ROLLER COVER:** 3/8" Woven Roller with Solvent-Resistant core

**AIRLESS LINE STRIPING:**

Pressure: 1800-2700 psi

Tip: .015 .017; Also refer to tip manufacturers recommendation chart

Hose: 1/4" - 3/8" ID

Filter: 60 Mesh

**NOTE:** Working pressures will vary with ambient temperatures...Follow Equipment Manufacturer's guidelines

**CONVENTIONAL LINE**

**STRIPING SPRAYER:**

Atomization Pressure: 45-80 psi

Fluid Pressure 40-70 psi

Gun: Binks 21 (Bleeder)

Fluid Nozzle: #68

Air Nozzle: Internal mix, #709

**NOTE** Fluid & atomization pressures are dependent on the environmental conditions. Use the lowest pressures necessary to achieve a Flat Line. Follow Equipment Manufacturer's guidelines. Substitute any equivalent equipment as needed.

## CLEANING:

To avoid the blockage of spray equipment, clean equipment before use or before any periods of extended downtime with Synthetic Reducer/799260, VM&P Naphtha or compliant solvent... Clean spills and application tools immediately after use.

After cleaning, flush the Spray tools with a compliant solvent to prevent any rusting of the equipment.

**NOTE:** Follow Equipment manufacturer's safety & cleaning recommendations including the safety recommendations for using solvents



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## SUBSTRATES AND SURFACE PREPARATION

**SURFACE PREPARATION IS IMPORTANT** - All surfaces must be cured, clean, dry, in sound condition and free of mildew, oils, grease, anti-freeze, loose sand or dirt, dust, loose rust, aggregate or any other foreign contaminant that can affect the adhesion to ensure proper adhesion of the coating

- Surfaces should be clean and dry and free from any loose, chipping or peeling existing striping paint
- **DO NOT** apply when air or surface temperatures are below 35F or above 110F
- **DO NOT** apply when the relative humidity exceeds 85% or when the temperature is near or below the dew point or when rain is forecasted within 1 hour of application
- **DO NOT** apply if the temperature is expected to fall below freezing for 2 hours after application
- **NO** painting should be done immediately after rainfall, during foggy weather or on wet surfaces
- The presence of concrete sealers or efflorescence on new concrete could interfere with adhesion and **SHOULD BE** removed by extended weathering, etching, or abrasive blasting
- Any surface preparation without total removal of the old coating will affect the service length of the new coating
- Most previously painted lines can be repainted over without additional surface preparation, provided the old paint is still tightly adhered to the surface... However, previously painted lines with multiple layers of paint will eventually peel and will require removal.
- Apply a **Test Strip** to check adhesion in order to determine the readiness for painting and when the humidity is higher than 65% to check dry to no pickup time... Cone whenever needed
- The coating **MAY BE** made into **Reflective** paint by dropping on glass beads while the paint is still wet

### **ASPHALT SURFACES:**

- May be applied directly to surface
- Allow **New asphalt** to cure a minimum of two weeks before painting
- Check adhesion by applying a test strip to determine the readiness for painting, i.e., to determine if the asphalt has aged sufficiently to use the paint
- **DO NOT** use on uncured asphalt

### **SYSTEM RECOMMENDATIONS:**

Contact your Rodda Paint Representative for any surface prep related questions or any system recommendations.

## SAFETY PRECAUTION

**WARNING!** Do not handle until **ALL Safety Precautions** have been read & understood.

**Contains Harmful Vapors** which may affect the brain/nervous system causing dizziness, headache or nausea. Can cause eye & skin irritation and may be harmful if absorbed through skin.

**Use only with adequate ventilation.**

**NOTE:** Repeated & prolonged occupational overexposure to solvents can cause permanent brain/nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**WARNING!** Proper breathing PPE must be worn during application.

**First Aid: If you experience difficulty breathing**, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. **In case of eye contact**, flush immediately with plenty of water for at least 15 minutes and get medical attention; **for skin**, wash thoroughly with soap and water. **If swallowed**, get medical attention.

**If spilled**, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Please Refer to this Product's **Safety Data Sheet (SDS)** for the proper Health & Safety information – See your Rodda Paint Representative/Store for a copy of it or it can also be found on our website, [www.rodmapaint.com](http://www.rodmapaint.com)

**WARNING!** If you scrape, sand or remove old paint from any surface you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN.

**PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. For additional information on surfaces that may contain lead paint, contact the U.S. EPA / Lead Information Hotline at 1.800.424.LEAD (5323).**



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### **LIMITATION OF LIABILITY**

To the best of our knowledge, the technical data contained herein are true and accurate at the time of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. All technical advice, recommendations and services regarding this product are rendered by the Seller gratis.

They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and know-how, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from this product use by Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate under or suggest infringement of any patent.

### **WARRANTY**

Rodda Paint Co. manufactures quality products and warrants its product to be free from defects in materials and workmanship. In the event that this product is defective or in any way unsuitable for the application for which it was sold, Rodda Paint Co. will REPLACE ANY PRODUCT PROVED TO BE DEFECTIVE free of charge OR REFUND THE ORIGINAL PURCHASE PRICE OF THE QUANTITY PROVED. This warranty is the only guarantee of quality made in respect of this product by Rodda Paint Co. By purchasing this product, the customer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the customer or implied by any applicable law.

TO BE DEFECTIVE – Requests for refund or replacement of product must be made in writing within one year from the original date of purchase. This Warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligent application, or acts of God.

Rodda Paint. WILL NOT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCT, INCLUDING DOWNTIME OR LOSS OF USE OF PRODUCT.

All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. Our products are sold on the condition that the user themselves will evaluate them, as well as our recommendations, to determine the suitability for their own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations.

**See your Rodda Sales Rep or Store Manager for Details**

### **READ LABEL AND SAFETY DATA SHEET PRIOR TO USE!**



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