



Product Data Sheet

Water Reducible Alkyd

Product Description

This water reducible alkyd provides fast dry time, good humidity resistance, excellent salt spray and corrosion resistance. This coating has excellent gloss/color retention, resistance to chalking, staining, and dirt pickup.

Where to Use

Typical use as maintenance enamels for equipment, machinery, and metal structures, with excellent adhesion to steel.

Product Characteristics

Color Custom

Gloss High Gloss

Architectural and Industrial Maintenance Category Quick Dry Enamels

Drying Time

Temperature	To Touch	Tack Free	Dry Hard
75 °F / 55% RH	30 minute	50 Minutes	4.5 Hours

(Cooler temperatures and higher humidity will lengthen drying time, full cure requires 7 days)

Preparation & Priming

Surface Preparation

For maximum performance, surface blast using a SSPC-SP6 commercial blast. If blast cleaning is not feasible, the substrate should be degreased in accordance with SSPC-SP1. All burrs should be removed and sharp edges or rough weld seams should be ground down. Where weathered steel is applicable and where substrate has reached rust grade, the appropriate chemical cleaning or blasting will be necessary.

Primer Coats

For maximum performance Anchor recommends the use of one of three primers. Anchor 2722 waterborne rust inhibitive primer can be used with galvanized metal, while either CC3153 red or CC3154 gray water reducible alkyd primers are recommended for metal application. For DTM applications insure the final dry film thickness is 2.0 mils above the surface blast profile. This may require more than one coat. Each service environment may require a specific coating system or combination of Anchor products. Consult your Anchor representative for specific job recommendations.

Mixing & Application

Mixing

Stir thoroughly, making sure no pigment remains on the bottom of the can.

Thinning

This coating is VOC compliant and ready-to-spray. Thin as needed with water.

Surface Temperature

Minimum 40 °F, Maximum 110 °F - The surface should be dry and the relative humidity should be no greater than 85%.

Recommended Thickness

DTM Application: Minimum of 1.0 mil dry per coat, with two coats recommended.
Single Coat application: Minimum applied thickness of 1.6 to 2.0 mils above the blast profile of the prepared surface.

Theoretical Coverage

657 ft²/gal @ 1 mil dry, assuming no application losses. Coverage will vary depending on application technique, porosity and design of the substrate.

Application Equipment

<u>Airless Spray</u>	Pressure	1800-2400 psi
	Tip	0.015"-0.019"
<u>Conventional Spray</u>	Air Pressure	60-80 psi
	Fluid Pressure	10-20 psi

Application Considerations

Spray application is recommended. Do not apply when overnight freeze, rain or dew is forecast. NOTE: Conditions of high humidity or moist air, then allow for longer cure times. Warm air moving over the substrate will promote drying and improve cure time when less than optimum application/humidity conditions exist. On a derusted surface the application of a dry film thickness of at least 2 mils is recommended. Avoid applying water reducible products directly onto galvanized surfaces without a primer.

Mixing & Application Continued

<u>Weight Solids</u>	41 % -- varies by color
<u>Volume Solids:</u>	27% -- varies by color
<u>AIM Category VOC Limit</u>	3.8 lb/gal (450 g/l)
<u>VOC Actual</u>	1.4 lb/gal (228 g/l) -- varies by color
VOC Regulatory	3.03 lb/gal (361 g/l)
<u>Density</u>	9.8 lb/gal -- varies by color
<u>Packaging</u>	55 Gallon drums, 5 Gallon pails, and 1 Gallon cans

Physical Properties - ASTM Testing (Based on CC3151 - White)

Primer: CC3153 Topcoat:CC3151	Topcoat DTM	Topcoat & Primer DTM
Pencil Hardness ASTM D3363-05	HB	HB
Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments (Scribe Failure) ASTM 1654-92	1/16", 7	1/16", 7
Salt Fog ASTM B117	668 Hours	900 hours
Tape Pull ASTM D3359	1/16"	1/16"
Surface Rust ASTM D610	8 = <0.1"	8 = <0.1"
Surface Blisters ASTM D714	0	0
QUV Gloss Retention ASTM D-4587-91¥	70% @ 20° gloss@ 936 hr 100% @ 60° gloss@ 936 hr	
Abrasion: Excellent Abrasion Resistance Corrosion: Excellent Corrosion Resistance Submersion: Not Recommended		
¥ ASTM 4587-91 procedure D (8 hour UV @ 60°C and 4 hour condensation @ 45°C UVA – 340 lamp)		

Clean-up & Storage

<u>Cleanup</u>	Soap and water	
<u>Storage Temperature</u>	Minimum 40 °F	Maximum 110 °F .
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – 6 months	

Safety & Important Information

WARNING! VAPOR HARMFUL. CAUSES EYE IRRITATION. CONTAINS: ETHYLENE GLYCOL MONBUTYL ETHER AND SEC-BUTYL ALCOHOL. These may affect the brain or nervous system causing dizziness, headache or nausea, while causing nose, eye, skin and throat irritation. These may be harmful if absorbed through skin, and are harmful if swallowed. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal

Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources or ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, 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. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

Version: 2/2018

LIMITED WARRANTY: The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser's cost of the product itself.