



# PRODUCT DATA SHEET

PROD. #740 SERIES  
**H2O Fusion WATERBORNE ALKYD**  
**INTERIOR/EXTERIOR SATIN ENAMEL**



## PRODUCT DESCRIPTION



H2O Fusion Waterborne Alkyd Interior/Exterior Satin Enamel is specially formulated using a state-of-the-art waterborne alkyd resin which combines the performance advantages of solvent-based alkyd enamels with the convenience of a quick dry, near zero VOC waterborne coating. Ease of application offers excellent flow and leveling qualities, while providing excellent sag resistance, unsurpassed abrasion resistance, and durability. It provides superior coverage, resists yellowing, resists staining, and offers excellent product versatility for a variety of interior and exterior painting needs. Its low VOC properties make it an excellent choice for areas that require a low odor product, such as Hospitals, Schools, Factories, Food Processing Plants and Government Institutions.

PRODUCT FEATURES	PRODUCT USES	PERFORMANCE QUALITIES
<ul style="list-style-type: none"> <li>Waterborne Alkyd Formula</li> <li>Soft Satin Finish</li> <li>Superior Coverage</li> <li>Excellent Flow &amp; Leveling Properties</li> <li>Resists Sagging</li> <li>Abrasion Resistant</li> <li>Easy To Apply</li> <li>VOC Compliant</li> </ul>	<p><i>Suitable for, but not limited to the following properly prepared surfaces:</i></p> <p><b>INTERIOR/EXTERIOR</b></p> <ul style="list-style-type: none"> <li>Gypsum Drywall</li> <li>Plaster &amp; Ceilings</li> <li>Wood Doors &amp; Trim</li> <li>Masonry &amp; CMU</li> <li>Concrete Block</li> <li>Brick</li> <li>Metal Doors &amp; Trim</li> <li>Wood Siding</li> <li>Cabinets &amp; Shelving</li> <li>Aluminum</li> <li>Galvanized Metal</li> <li>Ferrous Metal</li> </ul> <p><b>Great For Interior &amp; Exterior Use!</b></p>	<p><b>Product Quality:</b> Premium Best</p> <p><b>Product Use:</b> Interior &amp; Exterior</p> <p><b>Application:</b> Brush, Roller &amp; Spray</p> <p><b>Product System:</b> Water-Based</p> <p><b>Sheen:</b> Satin</p> <p><b>VOC Compliance:</b> AIM, CARB, LADCO/OTC, SCQMD</p> <p><b>Federal Standards:</b> N/A</p> <p><b>MPI Standards:</b> No</p> <p><b>LEEDS®:</b> No</p>

## SURFACE PREPARATION

**GENERAL:** The entire surface area to be painted should be clean, dry, sound, and free from dirt, grease, oils, waxes, mildew and any other surface contaminants that may adversely affect the performance of this coating material. For best results pressure wash exterior surfaces using a unit with a minimum of 2000 psi of pressure.

- PREVIOUSLY PAINTED SURFACES:** The entire surface area should be clean, as stated above. Remove any loose, scaling, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing or by power tool cleaning methods. Sand all rough paint edges smooth to adjacent surface area. Sand all glossy surfaces to dull existing finish. Spot prime all bare surface areas with properly recommended primer/sealer.
- METAL SURFACES:** Remove all surface contaminants, oil and grease in accordance with SSPC-SP1. Remove any loose rust and rust deposits in accordance with SSPC-SP 2 – Hand Tool Cleaning, or SSPC-SP 3 – Power Tool Cleaning specifications. For optimal performance, cleaning the surface using SSPC-SP 6/NACE 3 – Commercial Blast Cleaning methods using sharp angular abrasive to remove all contaminants and to create a surface profile of approximately 1-2 mils. Prime all bare metal within 8 hours before flash rusting occurs.
- MASONRY / CONCRETE:** Allow a minimum 30 days to properly dry/cure. The surface should be tested for pH and alkali levels and should not read higher than 8.5 – 10.0 level. Clean surface thoroughly to remove contaminants, oil, grease, efflorescence and embedded chemicals. Prime with recommended masonry primer.
- DRYWALL:** Insure that surface is dust & chalk free, and primed with recommended primer.
- WOOD:** All new wood surfaces must be clean, dry and sound, and should be properly primed and painted before installation or immediately after. Do not allow exterior wood to weather. Weathered wood surfaces should be sanded to expose fresh wood surface before coating. Remove any grade stamps or pencil marks from new wood by lightly sanding. Wood moisture content should be below 15% and wood surfaces that have a mill glaze should be sanded to allow for proper adhesion.
- MILDEW:** Surface areas affected by mildew should be treated with a commercial mildew removal and/or cleaner product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water, and allow a minimum of 24 hours to dry thoroughly.

**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 wet mop. Before you start, find out how you can protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-Lead, or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

## TECHNICAL DATA

- COLORS:** White & Tint Bases
  - 740 White      741 Tint Base
  - 742 Deep Base      743-A Accent Base
- TINTING:** Universal Colorants
- VEHICLE TYPE:** Waterborne Alkyd
- VISCOSITY:** 85 KU ± 3
- GLOSS @ 60°:** Satin / 20 units
- FLASH POINT:** N/A
- COATING VOC:** Not to Exceed 50 g/l – 0.42 lb/gal  
(Meets AIM, CARB, LADCO/OTC & SCAQMD Standards)
- SOLIDS:**
  - By Volume:** 41.53%
  - By Weight:** 53.22%
- ESTIMATED COVERAGE:** 350 – 450 SFPG  
(Coverage will vary significantly depending on application method, surface porosity and condition of the surface.)
- RECOMMENDED MIL FILM:** (Estimated @ 400 SFPG)
  - Wet:** 4.0 mils
  - Dry:** 1.7 mils
- ESTIMATED DRY TIME:** (@ 70° F & 50% Relative Humidity)
  - To Touch:** 1 – 2 hrs. | **Recoat:** Overnight  
(Actual dry time may vary according to relative humidity, temperature, color, applied film build and air movement.)
- DRIES BY:** Water Evaporation / Oxidation
- CLEAN UP:** Warm Soap & Water
- THINNING:** Clean Water
- WEIGHT/GALLON:** 10.80 lbs.
- SHELF LIFE:** Unopened - 2 years on average.
- PACKAGING:**

<b>Quarts:</b> 6/case	<b>Gallons:</b> 4/case
<b>2 Gallons:</b> N/A	<b>5 Gallon:</b> Each

## RECOMMENDED PRIMER COATINGS

Although formulated to be self-priming on sound and properly prepared painted surfaces, the following Richard's primers are recommended for use on new or bare substrates;

- **Gypsum Drywall / Plaster:**
  - 26 - Holzout II 100% Acrylic Primer/Sealer Stain Killer
  - 705 - H2O Fusion Waterborne Alkyd Universal Primer/Sealer Stain Killer
- **Wood:**
  - 26 - Holzout II 100% Acrylic Primer/Sealer Stain Killer
  - 705 - H2O Fusion Waterborne Alkyd Universal Primer/Sealer Stain Killer
  - SR-933 - Painter's Pride Int./Ext. Alkyd Primer/Sealer
- **Masonry**
  - 1791 - Rich Flex 100% Acrylic Pigmented Surface Conditioner
  - 1414 - Rich Flex Alkali Resistant Acrylic Masonry Primer
- **Non-Ferrous Metal & Aluminum:**
  - 705 - H2O Fusion Waterborne Alkyd Universal Primer/Sealer Stain Killer
  - 1017 - Rust Shield Zinc Chromate Metal Primer
  - 1215/1220 - Rust Shield II 100% Acrylic DTM Gray/White Metal Primers
- **Ferrous Metal:**
  - 1015 - Rust Shield Red Oxide Metal Primer
  - 1018 - Rust Shield Rust Inhibitive Metal Primer
  - 1120 - Industrial Coatings Universal Primer
- **Galvanized Metal:**
  - 1017 - Rust Shield Zinc Chromate Metal Primer
  - 1120 - Industrial Coatings Universal Primer
  - 1215/1220 - Rust Shield II 100% Acrylic DTM Gray/White Metal Primers

## APPLICATION EQUIPMENT

- **Brush Application:** Apply using a quality nylon, polyester, or combination nylon/polyester bristle brush.
- **Roller Application:** Apply using a 3/8" - 1 1/4" nap synthetic or lamb's wool roller cover, depending on the texture and surface porosity.
- **Spray Application:**
  - **Pump:** Gas or Electric Airless Sprayer
  - **Pressure:** Minimum 2000 PSI
  - **Tip:** 0.015 – 0.017 Reversible
  - **Hose:** 1/4 inch (6.3 mm) - 3/8 inch (10 mm)

## CLEAN UP & THINNING INSTRUCTIONS

**Clean Up:** Clean up any minor spills and splatters immediately with warm soapy water, as well as all painting tools and airless equipment. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

**Thinning:** Stir thoroughly and apply as it comes from the container. Thinning is not necessary. However, if thinning is required, you may add clean water up to 1/2 pint per gallon.

## WARRANTY

The Richard's Paint Mfg. Co., Inc. warrants our products to be free from manufacturing defects in accord with applicable Richard's Paint quality control procedures. Liability for product proven to be defective, if any is limited to the replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Richard's Paint Mfg. Co., Inc. **NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY RICHARD'S PAINT MFG. CO., INC., EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

## LIMITATIONS

The technical information contained herein is accurate to the best of our knowledge. Seller shall not be liable, directly or indirectly, under any circumstances for consequential, incidental, special or any other type of damages arising or resulting for any reason under the sale, handling, or use of goods sold. Seller's liability hereunder, and buyer's exclusive remedy hereunder, for negligence or any other reason, is expressly limited to reimbursement of the purchase price of the materials sold after proof of purchase is provided to the seller. Notice of any alleged failure or defect in the material must be given to the seller in writing by certified U.S. mail within 15 days of noticing the problem. Failure to give the required notice within the time provided constitutes a waiver of any claim. The Manufacturer is not responsible for any misrepresentation made by the Dealer.

REV 01-16

## PRODUCT APPLICATION – General

H2O Fusion Waterborne Alkyd Satin Enamel may be easily applied with a quality brush, roller cover, or spray equipment as follows;

- Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed.
- For best results, apply this product in thin coats to yield no more than a 4.0 mil wet film thickness, (WFT), and allowing to dry overnight between coats.
- When applying by brush, apply a smooth and thin coat on smaller surface areas, such as cutting-in larger surfaces and painting trim.
- When applying by roller cover, apply a thin and even coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking.
- When applying by airless spray equipment use a unit with a minimum of 2000 psi of pressure, with a 0.015 – 0.017 fluid spray tip.
- Rough or textured surfaces coated using spray equipment should be back-rolled to ensure a uniform film, even coverage and proper adhesion.
- Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area.
- Apply when surface and ambient temperatures are above 55° F and below 90° F. Do not apply when surface and air temperature is within 5° of the dew point.
- Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint.

## PRODUCT LIMITATIONS

- Not for use on vinyl siding.
- Not for use in corrosive or chemical environments.
- Not for use in areas subject to intense heat.
- Not for use on below grade substrates.

## PRECAUTIONARY & SAFETY INFORMATION

**CAUTIONS:** Avoid prolonged contact with skin, and breathing of dust, vapors and/or spray mists. Causes eye irritation. **USE WITH ADEQUATE VENTILATION!** Ensure fresh air entry during application and drying. If you experience eye water, headache or dizziness, or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriately fitted respirator, (NIOSH approved), during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety glasses, goggles or a face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use. **DO NOT TAKE INTERNALLY!**

**FIRST AID:** In case of skin contact, wash thoroughly with plenty of warm soapy water. For eye contact, flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting, get medical attention immediately.

**KEEP OUT OF REACH OF CHILDREN!**