



PRODUCT TECHNICAL DATA INFORMATION

PRODUCT NO.: 780 Series

H2O FUSION INTERIOR/EXTERIOR
WATER-BORNE ALKYD SEMI-GLOSS ENAMEL

PRODUCT DESCRIPTION

Richard's H2O Fusion Interior/Exterior Waterborne Alkyd Semi-Gloss Enamel is 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. It's LOW VOC properties offer an excellent benefit in areas that require a low odor product, such as Hospitals, Schools, Factories, Food Processing Plants and Government Institutions. **FOR INTERIOR/EXTERIOR USE!**

SUGGESTED PRODUCT USE

SUITABLE FOR BUT NOT LIMITED TO THE FOLLOWING PROPERLY PREPARED SURFACES:

DRYWALL * WOOD TRIM * WOOD DOORS * SHELVING * CABINETS * FURNITURE
ALUMINUM * EQUIPMENT * TANKS * FERROUS METAL

LIMITATIONS: Use proper primer before using on masonry, galvanized or zinc coated surfaces.
Not for exposure to strong chemical environments. Not for immersion service.

PRODUCT FEATURES

EASE OF APPLICATION * SUPERIOR DURABILITY * EXCELLENT LEVELING QUALITIES * PRODUCT VERSATILITY
EXCELLENT SCRUBBING PROPERTIES * RESISTS YELLOWING * MILDEW RESISTANCE * RESISTS SAGGING

PRODUCT SPECIFICATION DATA

* COLORS:	White
* FINISH:	Semi-Gloss
* FLASH POINT:	N/A
* METHOD USED:	N/A
* COATING V.O.C.:	Not To Exceed 0.41 LB/GAL. - (50 GRAMS/LTR.)
* SOLIDS:	By Volume: 42.14% ± 2% By Weight: 52.54% ± 2%
* RECOMMENDED MIL FILM:	Wet: 4.0 mils - (Estimated at 400 Square Feet Per Gallon) Dry: 1.7 mils - (Estimated at 400 Square Feet Per Gallon)
* ESTIMATED COVERAGE:	Covers approximately 400 square feet per gallon, depending on the type of application and the porosity of the surface to be painted.
* CLEAN UP:	Soap & Water
* THINNING:	May be thinned with up to ½ pint of clean water per gallon if necessary.
* ESTIMATED DRY TIME:	Dries to the touch in 1-2 hours, minimum time before recoat 6-8 hours, or after allowing to dry overnight, depending on drying on conditions.

PRODUCT ANALYSIS DATA

PIGMENT: 25.04%

VEHICLE: 74.96%



MORE DETAILED PRODUCT ANALYSIS DATA IS AVAILABLE UPON FORMAL REQUEST.

SURFACE PREPARATION

GENERAL: The entire surface area to be painted should be clean, dry, sound, and free from all dirt, grease, oils, waxes, mildew, mil scale, rust deposits and any other surface contaminants. Surface areas affected by mildew should be washed with a commercial mildew removal product carefully following manufacturer's application and safety directions. Remove any loose scale, chalked, cracked or peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing and/or power tool cleaning. **SAND GLOSSY SURFACES DULL.**

Bare metal: Surfaces should be solvent cleaned in accordance with **SSPC-SP 1** specifications pertaining to surface preparation for the solvent cleaning of steel and metal surfaces for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants from the surface. Remove any loose scale and loose rust by hand scraping, sanding, or wire brush cleaning in accordance with **SSPC-SP 2** specifications pertaining to hand tool cleaning, or **SSPC-SP 3** specifications pertaining to power tool cleaning of loose, non-adherent material on metal surfaces as set forth by the *Steel Structures Painting Council*. H2O Fusion Water Borne Alkyd Semi-Gloss Enamel prevents rust by encapsulating properly prepared metal surfaces. A minimum of two coats is required when applied to bare surfaces, using a primer for the first coat will provide greater rust prevention.

PRIMERS: The following Richard's products represent a partial list of recommended primers for this finish coating.

Galvanized Metal: #1215/1220 DTM acrylic primers, #1017 zinc chromate primer, #1120 universal primer, #2215/2220 solvent epoxy primers.

Ferrous & Non-Ferrous Metal: #705 H2O alkyd primer, #1015 red oxide primer, #1017 zinc chromate primer, #1018 white alkyd primer

Drywall & Plaster: # SR-1250 alkyd modified latex primer, #7-11 latex primer/sealer, #705 H2O alkyd primer, #7-44 acrylic stain kill primer.

Wood: #705 H2O alkyd primer, #SR-933 alkyd primer, #7-11 latex primer/sealer, #7-44 acrylic stain kill primer.

Masonry: #1791/1791-C acrylic surface conditioners, #151/151-A latex block fillers, #1414 alkali resistant masonry primer.

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.

PRODUCT APPLICATION

Richard's H2O Fusion Interior/Exterior Waterborne Alkyd Semi-Gloss Enamel may be easily applied with a quality brush, roller, or airless spray equipment. Always apply this product in thin coats allowing ample time between coats. Applying this coating in thicker coats could cause the paint film to remain tacky for 48 hours or more depending on conditions and air circulation. If applying by airless spray, use a 0.013 - 0.015 orifice spray tip. Mohair or short nap woven roller covers (1/4" to 3/8"), and Nylon or Polyester brushes are recommended for brush and roll application. For best results, it is recommended to apply no more than 4 mils wet film thickness per coat, and allow 6 to 8 hours dry time before applying a second coat. Apply when surface and ambient temperatures are above 55° F. and below 90° F. Avoid paint application outside when weather conditions are threatening, or late in the afternoon when there is a threat of moisture condensing on wet paint.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Follow local disposal requirements to dispose or recycle unused product

PRECAUTIONS

CAUTION; KEEP OUT OF REACH OF CHILDREN! Avoid prolonged contact with skin and breathing of vapors and/or spray mists. **USE WITH ADEQUATE VENTILATION!** Where ventilation is inadequate, use a suitable respirator. When spraying this material, use an **OSHA** approved cartridge respirator. 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 soap and water. For eye contact, flush thoroughly with plenty of water for 15 minutes,

Seek Immediate Medical Attention! If affected by inhalation, move immediately to fresh air. If swallowed,

Do Not Induce Vomiting, Seek Immediate Medical Attention!

MIXING INSTRUCTIONS & PACKAGING

Stir thoroughly and apply as it comes from the container. **No Thinning Is Necessary!** However, if thinning is required, you may add **Clean Water** up to ½ pint per gallon.

* **Pint Cans:** N/A

* **Quart Cans:** 6 Per Case

* **Gallon Cans:** 4 Per Case

* **Two Gallon Cans:** N/A

* **Five Gallon Cans:** Each

* **Weight Per Gallon:** 10.77 lbs.

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