

**Product Description**

A super premium 100% acrylic interior satin enamel. Specially formulated to produce an extremely hard and durable epoxy-like finish, ideal for high traffic areas or where repeated washing and scrubbing may be necessary. Anti-Microbial properties are built in to this product to protect dried paint film, excellent for commercial and residential application.

**Performance Features**

- Low Odor & VOC
- Excellent Durability
- Washable & Scrub-able
- Superior flow & leveling
- Resists film attack from mildew
- USDA Acceptable
- Excellent Adhesion over Aged Alkyds

**Compliance & Certification**

- ✓ MPI Approved Product List #43
- ✓ Meets MPI GSP-1
- ✓ Meets Green Seal GS-11 VOC Limits
- ✓ Meets LEED EQ Credit 4.2 VOC Limits
- ✓ Meets CARB VOC Limits
- ✓ Meets National AIM VOC Limits

**Product Specifications**

Resin Type: 100% Acrylic  
 Color Range: White and custom tinted colors  
 Finish: Satin 20 - 25 @ 60° (MPI Gloss Level 4)  
 Drying Time: To touch: 2 hour (75° F. & 50% R.H.)  
 To recoat: 4 hours.  
 Practical Coverage: Approx. 250 - 350 sq. ft./gallon  
 Recommended Dry Film Thickness: Wet: 4.5 – 6.0 mils  
 Dry: 1.7 - 2.2 mils  
 Weight per Gallon: 10.6 lbs. ± 0.25 lbs.  
 Solids by Weight: 53% ± 2%  
 Solids by volume: 38% ± 2%  
 Sizes: Five gallon, one gallon & quarts  
 V.O.C. <50 Grams per liter  
 Clean-up: Water

09 90 00 PAINTING AND COATING

**Chemical and Stain Resistance**

The following tests were conducted on pre-primed carbon steel panels topcoated with DuraPoxy Acrylic Enamel. All panels were cured at ambient conditions for three weeks before testing. The various substances and chemicals listed were allowed to stand on the panels overnight under watch glasses. The panels were then rinsed and washed with liquid spray detergent (Fantastic) and a sponge.

STAINS	
BBQ Sauce	No effect
Catsup	No effect
Coffee	No effect
Jelly	No effect
Mustard	No effect
Pencil	No effect
Ballpoint Pen	No effect
Water Soluble Marker	No effect
Alcohol Soluble Marker	Clean with rubbing alcohol - See Rubbing Alcohol below.
REAGENTS	
Fantastic	No effect
Clorox	No effect
Urine	No effect
Rubbing Alcohol	Softens – Dries back to original sheen
Mineral Spirits	No effect
Methyl Ethyl Ketone	Softens – Dries back to original sheen
10% Hydrochloric Acid	No effect
2% Sodium Hydroxide	If used for cleaning, limit contact to less than 1 hour

# 1687 DuraPoxy (cont.)

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## Surface Preparation

### General:

All surfaces must be cured, firm, dry and cleaned free of dust, dirt, oil, grease, wax, chalk, mildew or any other contamination or condition that would adversely affect the performance of the coating. Sand glossy, dense or glazed surfaces\*. Certain hard and dense surfaces, such as laminates or factory finishes, should be primed with a bonding primer.

*\*See warning for existing leaded paint under Precautions..*

**New Surfaces:** Surface must be clean, dry and dust-free. Patch imperfections with an appropriate filler. Plaster and Masonry should be thoroughly cured before painting. Ferrous metal should be primed immediately after surface preparation. All surfaces should be primed with an appropriate primer before painting.

### Previously Painted Surfaces:

Surface must be clean, dry and dust free. Glossy surfaces should be dulled by sanding or other suitable method to a flat appearance, be sure to remove sanding dust. Exceptionally hard existing coatings (i.e. aged alkyds, epoxies) may require a bonding primer. Patch imperfections with an appropriate filler. Spot prime unpainted areas or prime entire surface with a universal acrylic primer such as Kelly-Moore 295 Kel-Bond Universal Primer.

## System Recommendations

### Wallboard, Plaster, and Masonry:

PRIMER: 971 AcryPlex Interior PVA Primer/Sealer  
OR: 295 Kel-Bond Universal Primer  
*(New masonry/plaster should be allowed to cure for a minimum of 30 days)*

### Wood:

PRIMER: 973 AcryPlex Interior Enamel Undercoat  
OR: 295 Kel-Bond Universal Primer

### Aluminum, Ferrous or Galvanized Metal:

PRIMER: 5725 DTM Acrylic Primer/Finish

### Difficult Adhesion Surfaces (tile, laminate, factory finishes, etc.):

PRIMER: 295 Kel-Bond Universal Primer  
OR: 287 Kel-Bond Adhesion Plus

**FINISH:** 1687 DuraPoxy Satin Enamel

### Application: Brush, Roll, or Spray

Brush: Use synthetic bristle brush.

Roller: Use 3/8" to 3/4" nap quality roller cover, depending on surface profile.

Spray: Airless sprayer is recommended. Use .017 to .021 orifice tip. For HVLP or Conventional sprayers please consult sprayer manual for latex enamel recommendations.

Do not apply when material, air, and/or surface temperature is below 50°F or above 90° F. Stir thoroughly before and during use. Maintain a wet edge to avoid lap marks.

Store at room temperature. Keep from freezing.

### Thinning

Apply at can consistency. If thinning is necessary to maintain workability, do not exceed one-half pint of water per gallon.

*Continue Next Page*

# 1687 DuraPoxy (cont.)

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## Precautions

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. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

Avoid contact with eyes, skin and clothing. Do not take internally. Wash thoroughly after handling. Close container after each use. For additional safety information consult the Material Safety Data Sheet for this product.

**USE ONLY WITH ADEQUATE VENTILATION.**

**KEEP OUT OF REACH OF CHILDREN.**

## Proper Disposal

For proper disposal of excess material, please contact your local city or county waste management agency.

**Limited Warranty:** The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Kelly-Moore Paint Company, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Kelly-Moore's quality control standards. Any liability whatsoever of Kelly-Moore Paint Company, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.