

## MAJIC® DIAMONDHARD® Direct-To-Metal Acrylic Enamel

### FEATURES

- Best Adhesion
- Fights rust & corrosion
- Superior gloss & color retention
- Quick drying
- Shop or field application

### DESCRIPTION & USES

A 100% acrylic high performance, corrosion inhibiting gloss finish enamel for interior or exterior application to bare steel, galvanized steel or a variety of other substrates. It combines safety and performance with no flash point due to water formula. It dries to a hard, non-yellowing, moisture and corrosion resistant finish with excellent gloss and color retention. Ideal for use on waste containers, machinery, construction equipment, storage tanks, building exteriors and metal roofing. May be used over existing alkyd-based paints with minimal preparation.

### PRODUCTS & SIZES

1-gallons and 5-gallon sizes standard. 9 ready-mix colors and tinting bases.

### SURFACE PREPARATION

**Bare Metal:** Remove all rust scale with wire brush, grinder or sander. Remove any oil and grease. For best corrosion resistance, prime clean metal with Majic Direct-To-Metal Primer, or Majic Self Etching Primer. **Bare Aluminum & Galvanized Metal:** Surface must be clean and dry. Oil and grease may be removed by wiping clean with mineral spirits or using a commercial degreaser. Exposed aluminum and galvanized should be wiped with a 50-50 mix of white vinegar and water to remove oxidation. Prime with Majic Direct-To-Metal Primer, or Majic Self Etching Primer. **Painted Metal:** Remove loose or peeling paint and mill scale with wire brush or sander. Sand smooth rough edges. Remove any oil and grease. Spot prime bare areas. **Other Painted Surfaces:** Make sure surface is clean, dry, free of loose paint, dirt, wax grease, etc. Rinse surface thoroughly with fresh water and allow to fully dry. Sand glossy areas. Spot prime absorbent areas.

### APPLICATION

Stir thoroughly. Apply one or two coats onto properly prepared surfaces. Use a good quality applicator. Avoid brushing or rolling back into wet enamel more than five minutes after application. Maintain a wet edge to avoid lap marks, particularly on doors or other large smooth surfaces. Attempt touching up only after product is completely dry.

**Method of Application:** Brush, roller or spray. For airless spray use a .013" to .019" tip, and equipment capable of maintaining 1700 psi minimum. For conventional spray, use Graco 700 gun, 217-757 or equivalent with fluid pressure of 30-35 lbs.

**Drying:** Normal drying is 1 to 3 hours at 77F (25C) and 50% humidity. Allow 3 hours between coats. Dry-to-touch and recoat times will vary with applied thickness and temperatures/humidity at time of application.

**Clean Up:** Soap and water immediately after use.

### PHYSICAL PROPERTIES

|  |   |
|--|---|
| <b>RESIN TYPE</b>                                  | 100% Acrylic  |
| <b>SOLVENT</b>                                     | Water   |
| <b>GLOSS</b>                                       | 80% + @ 60°   |
| <b>VOC</b>   | <250 grams/liter  |
| <b>FILM THICKNESS</b>                              | 3 - 4 Mills <b>Wet</b><br>1 - 1.5 Mills <b>Dry</b>                                    |
| <b>COVERAGE</b>                                    | 300-400 sq ft/gal   |
| <b>DRY TIMES AT 77°F AND 50% RELATIVE HUMIDITY</b> | 1 - 3 Hours <b>To Touch</b><br>3 Hours <b>To Recoat</b><br>7-14 Days <b>Full Cure</b> |
| <b>WEIGHT SOLIDS</b>                               | 43% ± 2%  |
| <b>VOLUME SOLIDS</b>                               | 38% ± 2%  |
| <b>FLASH POINT</b>                                 | N/A   |

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**Caution:**

**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 HEPA vacuum and 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](http://www.epa.gov/lead).

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