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|---|---|---------------|
|   | <b>TECHNICAL DATA</b>   | <b>MDM-09</b> |
|  | <b>MODERN MASTERS® METAL EFFECTS<br/>OXIDIZING IRON PAINT / RUST FINISH</b> |               |

**DESCRIPTION AND USES**

Modern Masters® Metal Effects® Oxidizing Iron Paint is a water-base, modified acrylic paint with a high concentration of real copper particles. It will tarnish naturally over time, if exposed to the proper elements, but Metal Effects Rust Activator Solution will speed up the oxidation process to create a beautiful authentic rusted finish in minutes. The entire system can be applied to any properly prepared surface, including metal, wood, drywall, plaster, paintable wall coverings, canvas or muslin, and plastic surfaces.

Popular applications range from full interior and exterior walls, molding, trim, columns, doors, railings, to lamps, vases and planters.

**PRODUCTS**

| SKU    | DESCRIPTION 177mL Kit |
|--------|-----------------------|
| 311356 | Rust Patina Finish    |

**PRODUCT APPLICATION**

**SURFACE PREPARATION**

**ALL SURFACES:** Remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® or a commercial detergent, or other suitable cleaning method. Rinse with fresh water and allow to thoroughly dry. If any mold or mildew is present on the surface, clean further with Concrobium® Mold Control. Rinse with clean water. All surfaces must be dry at time of application.

**PREVIOUSLY COATED:** Previously coated surfaces must be sound and in good condition. Smooth, hard or gloss finishes should be scarified by sanding with GATOR® products to create a surface profile.

**PRODUCT APPLICATION – cont'd**

**APPLICATION INSTRUCTIONS**

**STEP 1:** Apply at least two coats (wait approx. a ½ hour between coats) of Metal Effects Primer to completely seal and block the surface. Do not thin. Allow primer to dry. (approx. 12 hours)

**STEP 2:** Apply first coat of Metal Effects Oxidizing Iron Paint and allow to dry. Apply a second coat of Metal Effects Oxidizing Iron Paint in the same manner. The Rust Activator Solution should be applied while this coat is still wet (within 5 minutes).

**STEP 3:** While paint is still wet, spray on a light coat of Rust Activator Solution over the entire surface. Do not saturate the surface, as it will create pooling and over activate the finish. If you do overspray, simply blot the area with a clean cotton rag. As the activated surface dries (approx. 30-40 minutes), a rust finish will appear. Cold temperature and/or humid conditions will prolong the oxidation process and dry time.

**DRY TIMES:** Recoat time is approximately 30 minutes. Dry-to-touch time is approximately 1 hour. (Drying times were recorded at 21°C (70°F) and 50% relative humidity.

**CLEAN UP:** Clean brushes with soap and warm water immediately after use. Promptly wipe up spills and splatters with a damp cloth.

**HANDLING & STORAGE:** Close tightly all containers when not in use. Store in a cool dry place and away from direct sunlight. Do not freeze. If Metal Effects Oxidizing Iron Paint has become frozen, allow the paint to completely thaw and come to room temperature before use.

**DISPOSAL:** Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.

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**PHYSICAL PROPERTIES**

|   |                   | OXIDIZING IRON PAINT                | RUST ACTIVATOR    |
|---|-------------------|-------------------------------------|-------------------|
| <b>Resin Type</b>   |                   | Water-Based Acrylic                 | N/A               |
| <b>Active Ingredient</b>  |                   | N/A                                 | Hydrochloric acid |
| <b>Pigment Type</b>   |                   | Iron                                | N/A               |
| <b>Solvents</b>   |                   | Water, Glycol Ethers                | Water             |
| <b>Weight</b>   | <b>Per Gallon</b> | 10.32 lbs                           | 8.62-9.65 lbs     |
|   | <b>Per Litre</b>  | 1.24 kg                             | 1.03-1.04 kg      |
| <b>Solids</b>   | <b>By Weight</b>  | 39.52%                              | 7.80-7.84 %       |
|   | <b>By Volume</b>  | 25.37%                              | 4.61%             |
| <b>Volatile Organic Compounds</b>                               |                   | <100 g/l                            | 0 g/L             |
| <b>Recommended Dry Film Thickness (DFT) per coat</b>            |                   | 1.5 mils                            | 0.25 mils         |
| <b>Wet Film to Achieve DFT (unthinned material)</b>             |                   | 6 mils                              | 5.5 mils          |
| <b>Dry Times at 21-27°C (70-80°F) and 50% Relative Humidity</b> | <b>Touch</b>      | 1 hour                              | N/A               |
|   | <b>Handle</b>     | 2 hours                             | N/A               |
|   | <b>Recoat</b>     | 2 hours                             | N/A               |
|   | <b>Full Cure</b>  | 3-4 hours                           | N/A               |
| <b>Shelf Life</b>   |                   | 5 years                             | 5 years           |
| <b>Flash Point</b>  |                   | 93°C (200°F)                        | 93°C (200°F)      |
| <b>Safety Information</b>                                       |                   | For additional information, see SDS |                   |

Calculated values are shown and may vary from the actual manufactured material.  
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