



**INTERIOR/EXTERIOR ACRYLIC DTM  
SEMI-GLOSS FINISH 28 SERIES**

**PRODUCT DATA**

**GENERIC TYPE:** Styrene Acrylic

**DESCRIPTION:** UNION is an acrylic DTM (Direct-To-Metal) coating that provides excellent adhesion to aged alkyd surfaces and produces a durable and corrosion resistant finish. UNION provides a tough but flexible finish ideal for high use surfaces. Superior color and gloss retention along with corrosion resistance make this coating ideal for exterior exposure of metal structures and structure components requiring a faster return to service.

**Features:**

- Outstanding early moisture resistance
- Corrosion resistant
- Alkali resistant
- Superior color and gloss retention
- Excellent Exterior Durability

**RECOMMENDED USES:** For use on high traffic areas such as schools, commercial, or institutional buildings, and may be applied to ferrous and non-ferrous metals, baked enamels, and unstable dimensional substrates such as wood. Suitable for use as a protective coating on sea containers and roll off dumpsters. Alkaline surfaces such as masonry are ideal for this product. Suitable for pedestrian traffic on new and old concrete floors in sound condition.

**COMPATIBLE COATINGS:** May be applied over properly prepared alkyd or acrylic finishes. See application instructions for substrate preparation.

**Primers:**

- McCormick Underlok Acrylic Metal Primer 06449
- McCormick Underlok Interior/Exterior Acrylic Latex Multi-Purpose Primer 06452
- McCormick uniX Multi-Purpose Stain Blocking Interior/Exterior Primer 06460
- McCormick Permalok Interior/Exterior 100% Acrylic Masonry Primer 06451
- McCormick Permalok Interior/Exterior Acrylic Masonry Surface Conditioner 01322

**PHYSICAL CHARACTERISTICS**

**Colors:** Full Range

**Vehicle Type:** Styrene Acrylic

**VOC/VOS:** Less than 100 g/L, 0.8 lb. /gal

**Volume Solids (Avg.):**36% ± 2%

**Weight Solids (Avg.):**47% ± 2%

**Viscosity:** 95 KU

**Suggested Film Thickness:**

**Brush and Roll:** 3.0 mils wet, 1.4 mils dry

**Spray:** 6.0 mils wet, 2.1 mils dry

**Theoretical Coverage per Gallon:**

300-350 sq. @ 2.0 mils DFT

Gloss Level: 38 units @ 60°

**Sheen:** N/A

**Drying Time @ 77°F & 50% Relative Humidity**

**To Touch:** 30 minutes

**Recoat:** 4 hours. Allow additional drying time during humid or cooler weather.

**Min. Surface/Air Temperature at Application:**  
50°F

**Max Surface/Air Temperature at Application:**  
110°F

**Flash Point:** 200°F

**Heat Resistance:** 150°F Intermittent

Application: Brush, Roller, or Spray

**Thinning:**

**Brush and Roller:** Not Recommended

**Spray:** Up to One Pint of Water per Gallon

**Clean Up:** Warm Water and Detergent

**Packaging:** Gallon and Five Gallon Containers

**Weight per Gallon:** 10.4– 10.6 lb. /gal

**NOT RECOMMENDED:** Not recommended for use on wood floors. This product is not intended for immersion service, situations characterized by high heat, or the presence of corrosive chemicals.

GREEN WISE®	LEED	SCAQMD	OTC
NO	YES	NO	YES

## UNION INTERIOR/EXTERIOR ACRYLIC DTM SEMI-GLOSS FINISH 28 SERIES

**APPLICATION INSTRUCTIONS:** For the following surfaces, prime as indicated and finish with two coats of McCormick UNION Interior/Exterior Acrylic DTM Semi-Gloss Finish 28 Series. Check your local VOC regulations for allowable interior VOC limits before applying this product to interior surfaces.

### SURFACE PREPARATION

**Previously Painted Surfaces:** All surfaces must be internally dry, thoroughly clean, and free from dirt, grease, loose paint, excessive chalk, mildew and other foreign matter. Protected areas such as under eaves, overhangs, porch ceilings and upper walls should be scraped and sanded to remove loose and peeling paint. Wash these areas with a detergent solution. Rinse and allow to dry before priming or painting. Dull glossy areas by sanding. Remove mildew by scrubbing with a solution that kills mildew. Rinse thoroughly and allow to dry. **NOTE:** Can be used in combination with corrosion-resistant primers which enhance corrosion resistance on metal surfaces. Consult McCormick Paints for further information and recommendations.

**Unpainted Drywall:** Spackle nail holes and cracks, then sand smooth and wipe clean. Prime with McCormick uniX Multi-Purpose and Stain Blocking Int./Ext. Primer 06460.

**Unpainted Plaster:** Allow new plaster to age 30 days. Prime with McCormick Permalok Interior/Exterior 100% Acrylic Masonry Primer 06451.

**Unpainted Wood:** Seal all knots. Fill all cracks, nail holes and open joints with interior or exterior wood putty. Sand to remove surface roughness and Prime with McCormick uniX Multi-Purpose and Stain Blocking Int./Ext. Primer 06460.

**Ferrous Metal:** Remove visible rust on the surface. Clean any remaining residue on the surface using clean rags saturated with VOC compliant mineral spirits. Prime surface using McCormick Underlok Acrylic Metal Primer 06449.

**Galvanized Metal and Aluminum:** Clean factory surface treatment by wiping surface with rags wet with mineral spirits, then wiping with a clean, dry cloth. Old, weathered galvanized and aluminum metal should be lightly sanded and wiped clean. Prime with McCormick Underlok Acrylic Metal Primer 06449.

**Unpainted Masonry:** Allow new masonry to age 60 days before painting.

**Brick and Smooth Masonry:** Prime McCormick Permalok interior/Exterior Acrylic Masonry Surface Conditioner 01322 or McCormick Permalok Interior/Exterior 100% Acrylic Masonry Primer 06451 depending on the type of masonry. Do not paint glazed brick. **Concrete Block:** Prime with McCormick Interior/Exterior Latex Block Filler 01015.

### APPLICATION

Make sure paint is thoroughly mixed before use. Additives for ease of application or to promote adhesion are not recommended. Do not apply if product, air and/or surface temperature is below 50°F or above 110°F. Relative humidity should be below 90%. For best results, keep to the shady side of the structure while painting outdoors. Avoid painting in the evening when dew or condensation is likely to form, and do not apply when rain is expected. Apply by brush, roller or spray. **Brush:** Apply full and general coats, brushing

towards the wet edge. For best results, use a good quality synthetic filament brush. **Roller:** Use a good quality synthetic roller cover with at least a ½" nap. **Spray:** Thin if necessary with one pint of water per gallon.

### APPLICATION EQUIPMENT

- Apply by brush, roller, or spray.
- Manufacturers listed below are a guide. Others may be used. Changes in pressure and tip size may be required to achieve proper application.

#### **Airless Spray**

Pump: Titan / Graco

High pressure filter: 60 mesh

Fluid hose: ¼" x 50'

Tips: 0.013" to 0.021"

Minimum pressure to avoid fingering is 2,000 psi

### CAUTIONS --- Lead Hazard: 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](http://www.epa.gov/lead).**

**CONTAINS CRYSTALLINE SILICA IN AN ENCAPSULATED STATE:** If the dry paint film is sanded, the dust emitted can contain crystalline silica which has been shown to cause cancer under long-term exposure. **USE ONLY WITH ADEQUATE VENTILATION.** Wear appropriate respiratory protection when sanding or spraying this product. To avoid breathing vapors or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Avoid contact with eyes and skin.

**FIRST AID:** If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

**CONTAINER LABELING COMPLIES WITH APPLICABLE STATE RIGHT TO-KNOW ACTS.** For additional safety and health information, please refer to the Safety Data Sheet (SDS).

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MANUFACTURED BY:

**McCormick Paints**  
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PRODUCT DATA SHEET