



Commitment to Quality

**INTERLOK SEMI-GLOSS
INTERIOR/EXTERIOR ACRYLIC
URETHANE DTM 45 SERIES**

PRODUCT DATA

GENERIC TYPE: Acrylic Urethane Hybrid DTM

DESCRIPTION: A self-priming, high performance coating that can be used instead of oil-based paints under many circumstances. McCormick's innovative cross-linking technology has produced an interior/exterior direct-to-metal (DTM) multi-purpose urethane acrylic with unparalleled versatility and excellent adhesion to a wide variety of substrates. It provides alkyd toughness with 100% acrylic exterior durability. It is ideal for commercial and industrial applications where light to moderate industrial exposure exists; and for use in high traffic areas such as schools and institutional buildings.

Features: Resists lanolin and skin oils. No softening with extensive skin contact. When cured, the paint film is highly water-resistant.

- Ideal for Alkyd to Acrylic Conversion
- Alkyd-Like Flow and Leveling
- Alkali Resistant
- Excellent Stain Removal Properties
- Excellent Exterior Durability

RECOMMENDED USES: For use in high traffic areas such as schools or institutional buildings and may be applied to ferrous and non-ferrous metals, baked enamels, and unstable dimensional substrates such as wood. 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 1st Step Interior Latex Enamel Undercoater Primer and Sealer 06441
- McCormick Underlok Interior/Exterior Acrylic Latex Multi-Purpose Primer 06452
- McCormick State House Exterior Acrylic Latex Primer 06438
- McCormick Acrylok Interior/Exterior 100% Acrylic Masonry Primer 06451
- McCormick State House Exterior Alkyd House Paint Primer 06434
- McCormick Interlok Interior/Exterior Rust Inhibiting Acrylic Metal Primer 06449
- McCormick 1st Step Interior/Exterior White Metal Rust Inhibitive Alkyd Primer 06453

PHYSICAL CHARACTERISTICS

- **Colors:** Full Range
- **Vehicle Type:** Acrylic Urethane
- **VOC/VOS:** Less Than 150 Gms/L, 1.3 lbs/gal
- **Volume Solids (Avg.):** 37% ± 2%
- **Weight Solids (Avg.):** 51% ± 2%
- **Viscosity:** 95 KU
- **Suggested Film Thickness:**
Brush and Roll: 4.5 mils wet, 1.5 mils dry
Spray: 6 mils wet, 2.1 mils dry
- **Theoretical Coverage per Gallon:**
285 sq ft @ 2.0 mil DFT
- **Gloss Level:** 35-40% @ 60°
- **Sheen:** N/A
- **Drying Time @ 77°F & 50% R.H.:**
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: 125°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, Five Gallon
- **Weight per Gallon:** 10.7 – 10.9 lbs/gallon

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.

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45 SERIES**

APPLICATION INSTRUCTIONS: For the following surfaces, prime as indicated and finish with two coats of McCormick Interlok Semi-Gloss Interior/Exterior Acrylic Urethane DTM 42 Series.

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 1st Step Interior Latex Enamel Undercoater and Primer Sealer 06441.

Unpainted Plaster: Allow new plaster to age 30 days. Prime with McCormick Underlok Interior/Exterior Acrylic Latex Multi-Purpose Primer 06452.

Unpainted Wood: Seal all knots. Fill all cracks, nail holes and open joints with exterior putty. Sand to remove surface roughness and wipe clean. Prime with McCormick State House Exterior Alkyd House Paint Primer 06434 or McCormick State House Exterior Acrylic Latex Primer 06438.

Masonite-Type Siding: Prime as for indicated for unpainted wood.

Galvanized Metal and Aluminum: New galvanized metal surfaces require no primer. 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 Interior/Exterior Acrylic Co-Polymer Latex Multi-Purpose Primer 06452 or McCormick State House Exterior Acrylic Latex Primer 06438.

Unpainted Ferrous Metal: Prime with McCormick 1st Step Interior/Exterior White Metal Rust Inhibitive Alkyd Primer 06453 or McCormick Interlok Interior/Exterior Rust Inhibiting Acrylic Metal Primer 06449.

Unpainted Masonry: All masonry should be cured and aged at least 60 days. Poured concrete should be free from form oils. Sandblast or allow to weather 60 or more days. Prime McCormick with Interior/Exterior Acrylic Clear Brushing Lacquer Surface Conditioner 01242 or McCormick Acrylok Interior/Exterior 100% Acrylic Masonry Primer 06451 depending on the type of masonry. Do not paint glazed brick. Finished asbestos siding and shingles should be allowed to weather two years before painting and then primed with McCormick State House Exterior Acrylic Latex Primer 06438.

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.

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 Material Safety Data Sheet (MSDS).

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MANUFACTURED BY:

McCormick Paints

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PRODUCT DATA SHEET