



THE #1 CHOICE OF
PAINTING PROFESSIONALS®

ULTRASHIELD®

Interior/Exterior DTM Semi-Gloss Paint ULDM50



DESCRIPTION: ULTRASHIELD® DTM Semi-Gloss Paint is a high performance, Zero VOC, very low odor, corrosion resistant, single component, water-based acrylic urethane paint. This coating is designed for direct to metal (DTM) application to steel surfaces in mild to moderate industrial environments. ULTRASHIELD DTM Semi-Gloss Paint is designed for use on properly prepared and primed galvanized steel, aluminum, and other metal in both interior and exterior applications.

PRODUCT INFORMATION

SOLVENT TYPE: Waterborne | **RESIN TYPE:** Acrylic Urethane

FINISH: Semi-Gloss: 40–50% on a 60° meter

COLORS: White, Black and store tinted colors

TINT BASES: L Tintable White, M Medium, U Ultra Deep

VISCOSITY@77°F/25°C (ASTM D 562): 90–100 KU

MAXIMUM VOC CONTENT | **MAXIMUM RAVOC** (Reactivity-Adjusted VOC)
0 g/L (as supplied) | 0 g/L

NOTE: "Zero VOC" means "No organic solvents added." (Trace amounts of VOC may be present as residual components of other ingredients. Dunn-Edwards uses Zero VOC colorants; other additives may increase VOC emissions.)

SOLIDS BY VOLUME (ASTM D 2697) | **SOLIDS BY WEIGHT**
40% | 51%

WEIGHT PER GALLON (ASTM D 1475): 10.30 lbs.

COMPOSITION BY WEIGHT

Pigment—23.3%		Vehicle—76.7%	
*Prime pigments	19.5	Acrylic resins	27.1
Reinforcing pigments	3.8	Water & additives	49.6
<i>*Prime pigments include titanium dioxide (TiO₂), plus all other pigments directly adding to the hiding power of this paint.</i>			

RECOMMENDED FILM THICKNESS PER COAT

Wet: 2.5–7.5 mils | Dry: 1-3 mils

PRACTICAL COVERAGE PER COAT AT RECOMMENDED DRY FILM THICKNESS
Approximately 180–545 sq. ft. per gallon, depending on surface conditions and application techniques.

THINNING RECOMMENDATION: This coating is intended to be applied without thinning or diluting under normal environmental and application conditions. If necessary to maintain good workability, add up to 1/4 pint (4 fl. oz.) of clean water per gallon of coating.

AVERAGE DRY TIME@77°F/25°C (ASTM D 1640)

To touch: 30–60 minutes | Recoat: 2–4 hours
Dry times and recoat times are temperature, humidity and film thickness dependent.

APPLICATION EQUIPMENT: Brush, roller, airless spray. Airless sprayer fluid pressure 1800–3000 psi, with 0.013–0.017 spray tip size.

PACKAGING: One-gallon, five-gallon containers

STORAGE: Store in a dry area. Protect from freezing. Protect from temperatures above 110°F for extended periods of time. Extreme temperatures may cause paint to become unusable. See *Paint Storage Best Practices* Technical Bulletin at dunnedwards.com for more information.

CLEANUP: Warm, soapy water

DISPOSAL: For information on local options to dispose of unwanted leftover paint, call Dunn-Edwards Customer Service at (888) DE PAINT or visit www.dunnedwards.com. **Do not mix with other products.**

CONFORMS TO: ARB 2007 SCM & CALGreen 2013; LEED 2009 IEQ Credit 4.2

SAFETY DATA SHEET: Available at www.dunnedwards.com

SURFACE PREPARATION: All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulled to provide a roughened surface for good adhesion.

SPECIAL INSTRUCTIONS

- CAUTION: Scraping or sanding surfaces of older buildings (especially pre-1978) may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation, and finish cleanup of any residues by water-washing all surfaces. For more information, see Dunn-Edwards brochure on "Surface Preparation Safety" or call EPA's National Lead Information Hotline at 1-800-424-LEAD, or log onto www.epa.gov/lead/or/asbestos, or contact your state or local Health Department.
- This product can neither cause nor prevent or cure the growth of mold, mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth. Correct any such conditions before painting.
- Apply **ULTRASHIELD DTM Semi-Gloss Paint** only when air and surface temperatures are between 50°–100°F (10°–38°C), the relative humidity is no greater than 85%, and surface is at least 5°F (3°C) above dew point. Be aware of surface temperature when ambient air temperature is above 90°F (32°C). The coating should not be applied if the surface temperature is 100°F (38°C) or greater. Ensure fresh air entry during application and drying. Dry times may be effected by extremely high or low relative humidity.
- STEEL: Hand tool (SSPC-SP-2) or power tool (SSPC-SP-3) clean to remove loose rust, mill scale, and deteriorated previous coatings. Abrasive blasting to a minimum Commercial Grade (SSPC-SP-6, NACE 3) with a 1-2 mil (25-50µ) surface profile is recommended for optimal performance. Two coats of **ULTRASHIELD DTM Gray Primer** must be used on abrasive blasted surfaces.
- GALVANIZED STEEL: New galvanized steel should be solvent cleaned to remove all post galvanized treatments such as oil, grease, or wax. Old or existing galvanized steel should be thoroughly washed to remove all surface contaminants.
- Dunn-Edwards certifies that this product is suitable for use on incidental food contact surfaces in facilities operating under the USDA Food Safety and Inspection Service program.

PRIMERS

METAL

Ferrous: } **ULTRASHIELD® DTM Gray Primer (ULDM00-GR)** or
Non-ferrous: } **ULTRASHIELD® DTM Semi-Gloss Paint (ULDM50)**