



ACRYLIC DTM COATING 9590 Series

Resin Type	Sheen	Quality Level	Spread Rate	Clean Up	Thinner	Dry at 77 °F	V.O.C. Level
acrylic	semi-gloss	industrial premium	210 sq. ft./gal.	water	water	1 hour tack free 4 hours to recoat	< 50 g/L

Description

A premium quality acrylic coating with long term corrosion inhibitors designed for use over properly prepared interior or exterior ferrous and non-ferrous metals.

Can also be used on properly prepared concrete surfaces.

Where to Use

Ideal for use in new construction, repaint maintenance applications, and light industrial with mild to moderate exposure environments.

Surface Preparation

Surface to be coated must be clean, dry, and free from all contaminants including, but not limited to dust, dirt, oil, grease, flaking rust, mill scale rust, loose paint, curing compounds, and release agents. Glossy surfaces should be dulled by sanding. Concrete, plaster, and other masonry surfaces should be cured for a minimum of 30 days and have a maximum pH of 10.0.

All curing and release compounds must be removed by brush blasting or chemical cleaning. Some factory applied finishes containing Kynar® or siliconized polyester resins may require special surface preparation or use of a suitable bonding primer. Always perform an adhesion test over these surfaces before painting.

Minimum recommended surface preparation:

Iron & Steel	SSPC-SP1 / SSPC-SP2
Aluminum	SSPC-SP1
Galvanized Metal	SSPC-SP1
Concrete & Masonry	SSPC-SP13 / NACE 6

For best results on iron and steel a commercial blast (SSPC-SP6) is recommended.

Do not use hydrocarbon solvents for cleaning.

Primer

Interior Metal Surfaces – Hirshfield's Acrylic DTM Coating may be used over bare ferrous and non-ferrous metals, however for optimal performance, adhesion, and corrosion protection the use of Hirshfield's Acrylic DTM Primer #9250 is recommended. **The use of Hirshfield's Acrylic DTM Primer #9250 is required under all Deep and Neutral Base colors!**

Exterior Metal Surfaces – Hirshfield's Acrylic DTM Primer #9250 is required over bare ferrous and non-ferrous metals, applied at no less than 5.0 mils wet.

Concrete & Masonry – Hirshfield's Block Filler #1450 or Acrylic Masonry Primer #4050.

Drywall – Hirshfield's Drywall Primer #1258.

Wood – Exterior – Hirshfield's Exterior Acrylic Primer #4250;
Interior – suitable enamel undercoat.

Application

Stir contents thoroughly. May be applied by brush, roller, and conventional or airless spray. Do not apply when air or surface temperatures are below 50° F or above 90° F. Temperature must be at least 5° F above the dew point. Do not apply when the relative humidity is above 85%

Minimum wet film per coat: 4.0 – 6.0 mils

Minimum dry film per coat: 1.5 – 2.0 mils

Available Colors

White and tintable to over 2,000 colors with tint bases.

Primer – light gray.

Caution

KEEP FROM FREEZING.

See other cautions on page 2.

Environmentally Friendly Tips

- Only purchase the quantity you need.
- Do not mix paints for storage or disposal. Leave paint in the original container.
- Do not throw liquid paint in the trash or pour it down the drain.
- Small amounts of latex paint can be air-dried and normally disposed of through your trash collection system.
- Recycle leftover or unused paint. Call your local government for recycling advice.

Packaging Options

- Quarts
- Gallons

Physical Data

(figures shown are approximate)

Solids by Weight	49% ± 2%
Solids by Volume	36% ± 2%
Weight per Gallon	10.45 lbs./gal
Viscosity	92 KU ± 5
Flashpoint	>200° F
Gloss @ 60°	30–35

Limitations

Not recommended for use on the following:

- floors or other horizontal surfaces
- areas of corrosive chemical environments
- rusted substrates without adequate surface preparation and must be primed to minimize rust staining through the topcoat.

Excessive color tinting may cause unsatisfactory drying. Since these are water base coatings, dry time will be affected by temperature and humidity.

Not recommended for immersion service or use on damp or wet surfaces, high heat, or humid conditions.

Health And Environment

This material contains no lead, mercury or crystalline silica. Material Safety Data Sheets are available upon request. When spraying, use suitable respiratory protection and provide adequate ventilation. Dis-

posal of most latex paints is allowable in landfills if material is in solid form. Always check with local regulations. Leftover Latex paint is recyclable. Contact your local government recycling program for more information.

WARNING: This product complies with Federal law restricting the presence of lead in consumer coatings. Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD.

Medical Response

Emergency Medical Information 1-800-535-5053

Precautionary Information

In all cases, please read respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, and how it should be properly fitted.

Some of the components of various coatings may be irritating to the skin and/or eyes, so contact should be prevented. In case of contact, flush skin thoroughly with soap and water. For eyes, flush with plenty of water for at least 15 minutes and get medical attention immediately.

During the application of all coating materials, all flames, welding and smoking must be prohibited.

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all the warnings and precautionary information on the product labels.

CAUTION! DO NOT TAKE INTERNALLY! CLOSE CONTAINER AFTER EACH USE! KEEP OUT OF THE REACH OF CHILDREN!

Avoid prolonged breathing of vapor and spray mist. Coatings should only be applied when ventilation is adequate. When available ventilation may not be adequate, applicators should wear respiratory protection, choosing the proper respirator with aid of the following:

Outdoor or open areas: Use filter type respirators (approved with NIOSH/MSHA) to remove solid airborne particulates from overspray.

Restricted ventilation areas: Use combination organic vapor-filter type respirators (approved with NIOSH/MSHA) which are designed to purify the air by removing solid airborne particulates and organic vapors.

Confined areas: Use supplied air respirators or hoods (approved with NIOSH/MSHA)

IMPORTANT! When applying coatings by spray equipment, observe all precautionary safety measures. Spray equipment must be handled with due care and in strict accordance with manufacturer's recommendations for personal safety, and to prevent fire. If precautions are not taken, spraying of any material can be hazardous, particularly when using high pressure airless equipment. High pressure may inject coating into the skin causing serious injury, requiring immediate poison center contact and/or hospital treatment. When using or handling spray equipment hoses and the like, observe all required safety practices. In addition, when spraying paint or coatings, wear a respirator recommended for the product being handled. In all cases, wear protective eye equipment.

First Aid Statement

If swallowed, do induce vomiting. In case of skin contact, wash affected area with mild soap and water. In case of eye contact, flush eyes immediately with plenty of water for 15 minutes. If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other supportive measures as required. If any of the following occur during or following use of this product, contact a **POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY** (have label information available):

- Ingestion
- Excessive exposure to a corrosive material
- Persistent skin/eye irritation or breathing difficulties
- Other symptoms

12/19/13

The facts and figures represented in the specification manual are accurate to the best of our knowledge, and are the results of testing in our laboratory. We do not express, warrant or guarantee the accuracy, completeness, or reliability of same. Since Hirshfield's paint Mfg. is constantly improving its products, future technical data may vary somewhat from what was available when this bulletin was printed.

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