

PolyThane Industrial Enamel Interior / Exterior

Gloss Finish • 5940

Product Description

Our premium rust preventative coating fortified with the finest polyurethane resins to offer excellent durability and performance. It provides superior coverage, a rich finish that is abrasion, impact, chemical and salt water spray resistant, resists chipping and flaking, is fast drying and is easy to apply. It is VOC compliant and has excellent allowing for application to properly prepared interior and exterior metal substrates, such as hospitals, factories, food processing plants, schools, government facilities, and institutions.

Recommended Substrates

- Structural steel, iron & ferrous metals
- Properly primed aluminum, galvanized and non-ferrous metals
- Appliances, equipment, piping, tools, machinery, cabinets and tanks

Product Features

- Urethane fortified formula
- Rust preventative
- Excellent hardness & durability
- Impact and abrasion resistant
- Chemical, corrosion & moisture resistant
- Superior coverage & fast drying
- VOC compliant

Product Limitations

This product is for use on properly prepared above grade horizontal and vertical substrates. Do not apply to horizontal surfaces or areas that come in constant contact with moisture or standing water.

Available bases | 5940: WB | TB | DB

Application: Brush, roller, airless or conventional spray

Dry time @ 50% RH*: 2 - 4 HRS to touch
6 - 8 HRS recoat

*dry times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment

Flash Point: Nonflammable >107°F

Clean Up: Mineral Spirits

Compliance

These products are VOC compliant based on limits provided by EPA, MPI GSP-1 and OTC.

Product Data

Product Type: Alkyd Urethane

5940

Gloss @60°: 70-80

Wt Solids ±2%: 69%

Vol Solids ±2%: 52%

Wet Film Mils: 4.0 - 5.3

Dry Film Mils: 2.1 - 2.8

Coverage / Gal * 300 - 400

* coverage and wet and dry millage will vary by substrate type and porosity.

VOC gms p/L:** <400

** less exempt solvents.

Viscosity KU ±5: 83

Surface Preparation

Caution! There is the potential to release lead dust if you sand scrape or remove old paint. Lead is toxic and exposure to lead dust particles can cause serious illness including brain damage especially in children. Pregnant women should avoid exposure. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. Clean up carefully with a HEPA vacuum and a wet mop. Before starting your project, you can find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or visit their website at www.epa.gov/lead.

General Surface Preparation: Thoroughly clean the entire surface area according to SSPC-SP 1 – Solvent Cleaning specifications. Completely remove any existing paint, as well as any loose rust, mill scale and rust deposits by hand scraping, sanding, and wire brushing according to SSPC-SP 2 – Hand Tool Cleaning specifications, or by power tool cleaning methods, such as electric sanders or grinders according to SSPC-SP 3 – Power Tool Cleaning specifications. Previously painted surfaces, whereby the existing paint show signs of serious deterioration should be completely removed in accordance with SSPC-SP 6 – Commercial Blast Cleaning, or SSPC-SP 10 – Near White Blast Cleaning specifications. Repair/replace any damaged, delaminated and surface imperfections with the proper patching compounds or building materials, and sand all glossy surfaces to effectively existing sheen. **Mildew** - Surface areas affected by mildew should be treated with a commercial mildew wash and/or removal product carefully following manufacturer's application and safety directions. Rinse thoroughly with clean water and allow a minimum of 24 hours to dry thoroughly.

Directions for Use

Application: Apply with a quality china bristle or synthetic brush, shed resistant roller cover, or airless spray equipment. Stir thoroughly in a spiral up and down motion before and during application to keep product completely mixed. When applying by brush, apply a smooth and generous coat on smaller surface areas, such as cutting-in larger surfaces and painting trim. When applying by roller cover, apply an even and generous coat in a "W" or crisscross motion, avoiding any excessive respreading or reworking. When applying by airless spray equipment, use a unit with a minimum of 2000 psi of pressure, with a 0.013 – 0.017 fluid spray tip. During spray application, it is recommended to back-roll the surface area to ensure proper adhesion, an even coat application, and to work primer coating into surface pores. Maintain a wet edge during application by brushing, rolling or spraying into previously applied coating area. Avoid exterior paint application when weather conditions are threatening, and late in the day when there is a threat of moisture condensing on wet paint. **Dry Time / Cure:** Adverse weather conditions can negatively impact the performance of the product. Do not use when air, surface or product temperatures are below 50°F or above 100°F. Substrate temperature must be 5° above the dew point. Relative humidity should not exceed 85%. Cleaning should not occur until 30 days after the initial application. **Clean Up:** Minor spills, painting tools and spray equipment should be cleaned immediately with mineral spirits. More serious spills should be contained and removed with inert absorbent material. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

DO NOT THIN: Stir thoroughly and apply as it comes from the container. Thinning is not necessary.

Safety

CAUTIONS: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY! USE ONLY WITH ADEQUATE VENTILATION! Avoid prolonged contact with skin, and breathing of dust, vapors or spray mists. Avoid contact with eyes. Ensure fresh air entry during application and drying. Wear an appropriate fitted respirator (NIOSH approved.) Wear eye protection. Wash skin thoroughly after handling. Close container after each use and store in a secure, shaded and dry location. **First Aid:** In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention immediately. If swallowed do not induce vomiting and get medical attention immediately.

Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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PDS 5940 1810



Please excuse the small print used on this document but most paint company datasheets are two pages long. By squeezing all this information on one page we are doing our part to save a few trees.

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