



Polane[®] HS Plus

Polyurethane Enamel Finish

THE BENCHMARK FOR PROTECTION AND LASTING APPEARANCE

- ◆ Superior exterior durability
- ◆ One-pass film build
- ◆ Lead and chromate free

PERFORMANCE AND COMPLIANCE

Polane HS Plus Polyurethane Enamel is a production finish that is setting a new standard for durability. The two-component polyurethane offers excellent hardness, mar and abrasion resistance and color and gloss retention. Tough against chemical and solvent attack, Polane HS Plus is soft on the environment. The coating exhibits a VOC emission of under 2.8 lb./gal. and is free of lead and chromate hazards.

Formulated to keep finishing lines running at peak efficiency, Polane HS Plus achieves a higher film build in one pass than conventional urethanes—for greater throughput and substantial production savings.





Polane® HS Plus

Polyurethane Enamel Finish



Performance Properties

Formulated from a low molecular-weight polymer, Polane HS Plus forms a hard, high-gloss finish that protects and remains looking good even when exposed to years of UV light and regular contact with most types of chemicals and solvents. The two-component urethane adheres well to metal and plastic substrates. It is also resistant to hydraulic fluid, brake fluid, synthetic cutting and lubricating oils and other caustic liquids commonly used with various types of machinery. In mechanical performance tests, the coating did not crack, peel or lose adhesion after 80 in.-lb. of direct and reverse impact.

Finishing Characteristics

Polane HS Plus is a versatile coating that can be used on a broad range of products to leave a lasting impression. Greater crosslink density in the two-component urethane permits great depth of color and distinctiveness of image. To satisfy the production finisher's needs, the coating can be custom blended into a full spectrum of colors and forms an attractive, uniform finish on numerous types of substrates, including most metals and plastics. Even in harsh service environments, Polane HS Plus will maintain its high gloss (90+ units at 60°) and color.

Production Efficiency

Achieving compliance with stricter air quality emission standards did not come at the expense of favorable application characteristics when formulating Polane HS Plus. The production finish has excellent rheology and flow properties for good transfer efficiency and leveling. Due to the coating's high-solids composition (59% by volume), applicators can obtain a greater film build in one pass versus

conventional urethanes, which can result in higher throughput. Polane HS Plus is suitable for application by conventional, airless, air-assisted airless, HVLP and electrostatic spray.

Regulatory Compliance

Polane HS Plus is an environmentally-friendly alternative to conventional epoxies and urethanes. The coating exhibits a VOC emission of under 2.8 lb./gal. and is free of lead and chromate hazards. Applicators benefit from improved air quality, greater plant safety and reduced hazardous waste generation—for a more hospitable work environment.

Finishing Line Formula

Sherwin-Williams is in the business of supplying much more than just advanced finishing systems. All the company's production finishes for metal, plastic and wood substrates are backed by the largest distribution network in the industry, expert technical assistance, design engineering services and color marketing consulting. These added services ensure that your finishing line runs smoothly and at peak efficiency—allowing you to finish ahead of the rest.

For more information, call 1-800-524-5979.

For more information,
contact your Sherwin-Williams
Chemical Coatings representative
or call 1-800-524-5979
to have a representative
contact you.

For a Better Finish. Ask Sherwin-Williams.™

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