



Polane® 700T

Water Reducible Enamel

HIGH PERFORMANCE WATERBORNE FINISHES

- ◆ Single-component formulation
- ◆ Quick flash-off and fast set-up
- ◆ Strong adhesion to plastic substrates

PERFORMANCE AND COMPLIANCE

Sherwin-Williams Polane 700T is a waterborne coating designed to take the work out of product finishing. The single-component urethane requires no mixing or sweat-in time, and has no working pot-life restrictions. A thixotropic composition allows applicators to easily obtain either smooth or texture profiles, and provides exceptional atomization and leveling characteristics. Both VOC compliant and applicator-friendly, Polane 700T displays exceptional mechanical properties — meeting the exacting performance requirements of business machine and electronic cabinetry finishers.





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Performance Properties

Polane 700T utilizes the latest advancements in waterborne technology to deliver mechanical and chemical properties that meet or exceed the requirements of business machine and electronic cabinetry finishers. The single-component urethane provides a hard and flexible finish. It displays good chemical resistance, withstanding 100 double rubs of MEK, and is able to form strong bonds to a variety of metals and plastics, receiving an excellent reading for adhesion on both polycarbonate and ABS type plastics. These performance results represent a significant improvement over those of acrylic latex finishes.

Finishing Characteristics

Regardless of the profile or color desired, Polane 700T will deliver a uniform finish batch after batch. The coating's resin chemistry ensures excellent color and gloss retention — UV resistance in the polymer prevents yellowing. Due to a high thixotropic composition, Polane 700T can be easily applied in either a smooth or textured finish. The product's gloss level of between 35 – 40 units at 60 degrees can also be adjusted to meet specific finishing standards.

Production Efficiency

Continuous, trouble-free application that keeps finishing lines up and running is a hallmark of the Polane 700T system. The single-component urethane requires no mixing or sweat-in time, and has no working pot-life restrictions. For faster line speeds, the coating has a quick flash-off (10 – 15 min.) and fast set-up (to the touch in 20 – 30 min.). Accelerated curing schedules can be achieved by force drying at 140°F. A higher viscosity composition allows

applicators to easily obtain either smooth or textured profiles, and also provides the coating with exceptional atomization and leveling properties.

Regulatory Compliance

Eliminating the health hazards of lead, chromate and isocyanate, and formulated with a dramatically lower solvent content, Polane 700T is both compliant and applicator-friendly. The coating has a package VOC level of 2.3 lb/gal. It also possesses a zero flash point for greater plant safety and lower insurance premiums. By pre-reacting the urethane polymer and catalyst, all free-isocyanates are eliminated — removing health risks to employees.

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.