



**SHERWIN  
WILLIAMS.**

# Chemical Coatings

CC-A102

## Polystyrene Barrier Coat

White ..... P65WH43

<u>DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SPECIFICATIONS</u>
<p><b>Polystyrene Barrier Coat</b> is a low gloss acrylic lacquer intended as a primer or a barrier coat on polystyrene and other structural foam plastics including gas counter pressure types. It is fast drying, promotes adhesion, and prevents solvent attack from the topcoat.</p> <p><b>Advantages:</b></p> <ul style="list-style-type: none"> <li>• Fast drying</li> <li>• Excellent adhesion to polystyrene</li> <li>• Excellent adhesion to gas counter pressure Noryl® plastics*</li> <li>• Prevents crazing or attacking of the plastic substrate by solvents in the topcoat</li> <li>• No critical recoat</li> <li>• Ready to spray, no reduction needed</li> <li>• Free of lead and chromate hazards</li> <li>• May be used as a primer for wood, metal and other structural foam plastics.</li> <li>• Compatible with a wide range of topcoats, including: <ul style="list-style-type: none"> <li>Polane® Polyurethane Enamels</li> <li>Opex® Lacquers</li> <li>CAB Acrylic Lacquers</li> <li>Kem Aqua® 600T</li> <li>Polane 700T W/R Enamel</li> </ul> </li> </ul>	<p><b>Gloss:</b> 5-10 units</p> <p><b>Volume Solids:</b> 22.7 ± 2%</p> <p><b>Viscosity:</b> 19-25 seconds#4 Ford Cup 21-27 seconds#2 Zahn</p> <p><b>Recommended film thickness:</b> Mils Wet 4.0 - 5.0 Mils Dry 1.0 - 1.2</p> <p><b>Spreading Rate</b> (no application loss) 277-396 sq ft/gal @ 1.0-1.2 mils DFT</p> <p><b>Drying</b> (1.0 mils dft, 77°F, 50% RH): To Touch: 10 minutes To Handle: 20 minutes To Topcoat: 20 minutes To Pack: 2 hours Force Dry: 5-10 minutes at 140°F</p> <p><b>Flash Point:</b> 23°F Pensky-Martens Closed Cup</p> <p><b>Package Life:</b> 1 year, unopened</p> <p><b>Air Quality Data:</b> Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 5.31 lb/gal, 637 g/L</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p>	<p><b>General:</b> Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface treatments to ensure optimum adhesion and coating performance properties.</p> <p><b>Plastic:</b> Mold release must be removed from the substrate. Wash the surface with isopropyl alcohol.</p> <p>Due to the diverse nature of plastic substrates, a coating or coating system must be tested for acceptable adhesion to the substrate prior to use in production. Re-ground and recycled plastics along with various fire retardants, flowing agents, mold release agents, and foaming/blowing agents will affect coating adhesion. Please consult your Sherwin-Williams Chemical Coatings Sales Representative for system recommendations.</p> <p><b>Testing:</b> Due to the wide variety of substrates, surface preparation methods, and application methods and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p>

## APPLICATION

### Typical Setups

**Reduction:** If required, reduce with Lacquer Thinner R7K120.

### Conventional Spray:

Air Pressure .....35-60 psi  
Fluid Pressure ..... 6-10 psi  
Cap/Tip ..... 797

### Airless Spray:

Pressure ..... 1500-1800 psi  
Tip ..... .011-.013"

### Cleanup:

Clean tools/equipment immediately after use with Lacquer Thinner R7K120. Follow manufacturer's safety recommendations when using any solvent.

## SPECIFICATIONS

### Product Limitations:

- Agitate before and during use.
- Store indoors.

## CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility.

Please direct any questions or comments to your local Sherwin-Williams facility.

### LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 21795-051905.

**Note:** Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.