Polystyrene Barrier Coat 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.

Advantages:
- Fast drying
- Excellent adhesion to polystyrene
- Excellent adhesion to gas counter pressure Noryl® plastics
- Prevents crazing or attacking of the plastic substrate by solvents in the topcoat
- No critical recoat
- Ready to spray, no reduction needed
- May be used as a primer for wood, metal and other structural foam plastics.
- Compatible with a wide range of topcoats, including:
  - Polane® Polyurethane Enamels
  - Opex® Lacquers
  - CAB Acrylic Lacquers
  - Kem Aqua® 600T
  - Polane® 700T W/R Enamel

**Characteristics**

<table>
<thead>
<tr>
<th>Description</th>
<th>Gloss: 5-10 units</th>
<th>Volume Solids: 22.7 ± 2%</th>
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<tbody>
<tr>
<td>Viscosity: 19-25 seconds #4 Ford Cup 21-27 seconds #2 Zahn</td>
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<tr>
<td>Recommended film thickness: Mils Wet 4.0 - 5.0 Mils Dry 1.0 - 1.2</td>
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<tr>
<td>Spreading Rate (no application loss) 277-396 sq ft/gal @ 1.0-1.2 mils DFT</td>
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<tr>
<td>Drying (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</td>
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<tr>
<td>Flash Point: 23°F Pensky-Martens Closed Cup</td>
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<tr>
<td>Package Life: 1 year, unopened</td>
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</tbody>
</table>

**Specifications**

General: Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface treatments to ensure optimum adhesion and coating performance properties.

Plastic: Mold release must be removed from the substrate. Wash the surface with isopropyl alcohol.

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. Recycled and reprocessed plastics along with various fire retardants, flowing agents, mold release agents, and foaming/blowing agents will affect coating adhesion. Please consult your Sherwin-Williams Sales Representative for system recommendations.

Air Quality Data:
- Non-photochemically reactive
- Volatile Organic Compounds (VOC)* theoretical as packaged, maximum, less exempt solvents: 5.39 lb/gal, 646 g/L

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com.

*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.
**APPLICATION**

**Typical Setups**

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

**Conventional Spray:**
- Air Pressure: ............... 35-55 psi
- Fluid Pressure: .............. 6-10 psi
- Tip: ................................. .055

**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.

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**ADDITIONAL INFORMATION**

- Agitate before and during use.
- Store indoors.

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**CAUTIONS**

**FOR INDUSTRIAL SHOP APPLICATION ONLY**

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

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

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**Note:** All purchases of products from Sherwin-Williams are exclusively subject to Sherwin-Williams' terms and conditions of sale which can be found at www.sherwin.com. Please review these terms and conditions prior to the purchase of the products.

Sherwin-Williams warrants the product to be free of manufacturing defect in accordance with Sherwin-Williams' quality control procedures. Except for the preceding sentence, due to factors that are outside of Sherwin-Williams’ control, including substrate selection, and customer handling, preparation, and application, Sherwin-Williams cannot make any other warranties related to the product or the performance of the product. SHERWIN-WILLIAMS DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

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