Sher-Cryl™ HPA
High Performance Acrylic
B66-300 Series Gloss, B66-350 Series Semi-Gloss

**CHARACTERISTICS**

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

**Features:**
- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

**Recommended for use in:**
- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

**For use on properly prepared:**
Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

**Finish:**
- 80° @60° Gloss
- 35-45° @60° Semi-Gloss

**Color:** Most colors

**Recommended Spreading Rate per coat:**
- Extra White B66W00311 (may vary by base)
- Wet mils: 6.0-10.0
- Dry mils: 2.0-3.3
- Coverage: 160-264 sq.ft. per gallon

**Theoretical Coverage:** 529 sq. ft. per gallon @ 1 mil dry

**APPLICATION**

Approximate spreading rates are calculated on volume solids and do not include any application loss.

**Drying Schedule @ 7.0 mils wet, @ 50% RH:**
Drying, and recoat times are temperature, humidity, and film thickness dependent.

**Tinting with CCE only:**

**Base**
- Extra White
- Ultradeep base

**Strength**
- 0-4 SherColor
- 10-12 SherColor

**V.O.C. (less exempt solvents):**
As mixed
- 239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

**Volume Solids:**
- 33 ± 2%

**Weight Solids:**
- 42 ± 2%

**Weight per Gallon:**
- 9.44 lb

**Flash Point:**
- N/A

**Vehicle Type:** Acrylic

**Shelf Life:** 36 months, unopened

**COMPLIANCE**

As of 04/09/2021, Complies with:
- OTC
- OTC Phase II
- S.C.A.Q.M.D.
- CARB
- CARB SCM 2007
- CARB SCM 2020
- Canada

**SPECIFICATIONS**

**Steel:**
- 1 coat Pro Industrial Pro-Cryl Primer or Pro Industrial DTM Primer/Finish
- or Kern Bonds HS or Zinc Clad XI
- 2 coats Sher-Cryl HPA

**Aluminum:**
- 2 coats Sher-Cryl HPA

**Concrete Block (CMU):**
- 1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfacer
- 2 coats Sher-Cryl HPA

**Concrete-Masonry:**
- 1 coat Loxon Concrete & Masonry Primer or Loxon Conditioner
- 2 coats Sher-Cryl HPA

**Drywall:**
- 1 coat ProMar 200 Zero V.O.C. Primer
- 2 coats Sher-Cryl HPA

**Galvanizing:**
- 2 coats Sher-Cryl HPA

**Pre-Finished SIDING:**
- 1 coat DTM Bonding Primer
- 2 coats Sher-Cryl HPA

**Previously Painted:**
- 2 coats Sher-Cryl HPA

**Wood, exterior:**
- 1 coat Exterior Wood Primer
- 2 coats Sher-Cryl HPA

**Wood, interior:**
- 1 coat Premium Wall & Wood Primer
- 2 coats Sher-Cryl HPA

The systems listed above are representative of the product's use, other systems may be appropriate. Other primers may be appropriate.
**SURFACE PREPARATION**

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that can cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

**Iron & Steel** - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

**Aluminum** - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

**Galvanizing** - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

**Concrete Block** - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Filler. The filler must be thoroughly dry before topcoating.

**Masonry** - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13 NACE 6-ICR No. 310.2R, CSP 1-3. Pour, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing solutions must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brushed blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

**Wood** - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

**PREVIOUSLY PAINTED SURFACES**

**Mildew** - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Mildew may be removed before painting by washing with a solution of part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

**PERFORMANCE**

**Sher-Cryl HPA Gloss – 2 coats @ 3.0 mils D.F.T per coat (unless otherwise noted)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load</td>
<td>95.1 mg loss</td>
</tr>
<tr>
<td>Adhesion</td>
<td>ASTM D4541</td>
<td>947 psi</td>
</tr>
<tr>
<td>Corrosion Resistance</td>
<td>ASTM D5894, 7 cycles</td>
<td>Corrosion 8, Blistering 10</td>
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<tr>
<td>Direct Impact Resistance</td>
<td>ASTM D2794</td>
<td>greater than 176 in. lb</td>
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<tr>
<td>Dry Heat Resistance</td>
<td>ASTM D2485 Method A</td>
<td>greater than 300°F/149°C</td>
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<tr>
<td>Flexibility</td>
<td>ASTM D522, 180° bend, 1/8” mandrel</td>
<td>Pass</td>
</tr>
<tr>
<td>Humidity Resistance</td>
<td>ASTM D4585, 2186 hours</td>
<td>Corrosion 10, Blistering 10</td>
</tr>
<tr>
<td>Pencil Hardness</td>
<td>ASTM D3363</td>
<td>4B</td>
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</tbody>
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* 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer

**SAFETY PRECAUTIONS**

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

**CLEANUP INFORMATION**

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer’s safety recommendations when using solvents.

*HOTW 04/09/2021 B66W00311 24 239
HOTW 04/09/2021 B66T00304 21 224
HOTW 04/09/2021 B66W00351 24 235
HOTW 04/09/2021 B66T00354 24 241

**The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative or visit www.paintdocs.com to obtain the most current version of the PDS and/or an SDS.**