Pro Industrial™
Pre-Catalyzed Waterbased Urethane
B65-1100 Series

CHARACTERISTICS
Pro Industrial Pre-Cat Waterbased Urethane is a single component, high performance, interior or exterior water based acrylic polyurethane. It provides toughness, flexibility, abrasion resistance, and excellent UV resistance. Exterior performance comparable to two component water based urethanes.

Features:
- Excellent UV resistance
- Excellent gloss & color retention
- Easy application & cleanup
- Suitable for use in USDA inspected facilities

For use on properly prepared:
Steel, Galvanized & Aluminum, Concrete and Masonry and drywall.

Finish:
70°+ @60°

Color:
Most colors

Recommended Spreading Rate per coat:
Wet mils: 6.0-12.0
Dry mils: 2.2-4.4
Coverage: 134-269 sq.ft per gallon

Theoretical Coverage:
593 sq. ft. per gallon

Drying Schedule @ 6.0 mils wet, @ 50% RH:
- Apply paint at the recommended solids and do not include any application loss.
- Theoretical Coverage:
- Apply paint at the recommended film thickness and spreading rate. Application of coating below minimum recommended spreading rate will adversely affect coating performance.
- Approximate spreading rates are calculated on volume solids and do not include any application loss.
- Apply paint at the recommended film thickness and spreading rate. Application of coating below minimum recommended spreading rate will adversely affect coating performance.
- Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.
- Drying Schedule:

<table>
<thead>
<tr>
<th>To Touch</th>
<th>Min 8 hours</th>
<th>Max 30 days</th>
<th>3 days</th>
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</table>

Tinting with CCE only:

<table>
<thead>
<tr>
<th>Base</th>
<th>oz. per gallon</th>
<th>Strength</th>
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</thead>
<tbody>
<tr>
<td>Extra White</td>
<td>0-4</td>
<td>SherColor</td>
</tr>
<tr>
<td>Deep Base</td>
<td>8-12</td>
<td>SherColor</td>
</tr>
<tr>
<td>Ultradep Base</td>
<td>8-12</td>
<td>SherColor</td>
</tr>
</tbody>
</table>

Extra White B65W01121
(may vary by color)

V.O.C. (less exempt solvents):
78 grams per litre; 0.65 lbs. per gallon

As per 40 CFR 59.406

Volume Solids:
37 ± 2%

Weight Solids:
47 ± 2%

Weight per Gallon:
9.76 lb

Flash Point: N.A.

Vehicle Type: Acrylic Polyurethane

Shelf Life: 36 months, unopened

COMPLIANCE
As of 05/03/2021, Compiles with:

OTC: Yes
OTC Phase II: Yes
S.C.A.Q.M.D.: Yes
CARB: Yes
CARB SCM 2007: Yes
CARB SCM 2020: Yes
Canada: Yes
LEED® v4 & v4.1 Emissions (CDPH V1.2 B65W01121): Yes
LEED® v4 & v4.1 V.O.C.: Yes
EPA-NSF® Certified: No
MIR-Manufacturer Inventory: Yes
MPI®: N.A.

APPLICATION

Temperature:
- minimum: 50°F
- maximum: 120°F

Relative humidity:
At least 5°F above dew point
- 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:
- Pressure: 1500-1800 p.s.i.
- Hose: 1/4 inch I.D.
- Tip: .015 - .019 inch
- Filter: 60 mesh
- Reduction: As needed up to 5% by volume

Brush: Nylon-polyester

Roller Cover: 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted. Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle. Apply coating evenly while maintaining a wet edge to prevent lapping.

Overspray landing on hot surfaces may adhere to these surfaces. Immediately remove overspray from hot surfaces before adhesion occurs.

No painting should be done immediately after a rain or during foggy weather.

Check adhesion by applying a test strip to determine the readiness for painting.

SPECIFICATIONS

Steel:
1 coat Pro Industrial Pro-Cryl Primer or Kem Bond HS
2 coats Pro Industrial Pre-Cat Urethane

Aluminum:
1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Pre-Cat Urethane

Concrete Block (CMU):
1 coat Pro Industrial Heavy Duty Blockfiller or Loxon Acrylic Block Surfacer
2 coats Pro Industrial Pre-Cat Urethane

Concrete-Masonry:
1 coat Loxon Concrete & Masonry Primer
2 coats Pro Industrial Pre-Cat Urethane

Wood, exterior:
1 coat Exterior Wood Primer
2 coats Pro Industrial Pre-Cat Urethane

The systems listed above are representative of the product's use, other systems may be appropriate.

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continued on back
**PRO INDUSTRIAL™**
Pre-Catalyzed Waterbased Urethane

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**SURFACE PREPARATION**

### WARNING!
Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may 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.

**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 life 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. Prime the area the same day as cleaned.

**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 before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. 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/Neat 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes 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 brush 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.

**Wood -** Surface must be clean, dry, and sound. Prime with recommended primer. New 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.

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**SURFACE PREPARATION**

### PREVIOUSLY PAINTED SURFACE
- In sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Re-test for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service life of the system.

**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. 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.

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**SAFETY PRECAUTIONS**

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

**FOR PROFESSIONAL USE ONLY.**

No painting should be done immediately after a rain or during foggy weather.

Do not paint on wet surfaces.

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

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**CLEANUP INFORMATION**

Clean spills, splatters, 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.

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FRC, SP

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**PERFORMANCE**

### EXTRA WHITE B65W01121

**System Tested:** (unless otherwise indicated)

**Substrate:** Steel

<table>
<thead>
<tr>
<th>Surface Preparation</th>
<th>SSPC-SP10</th>
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<tbody>
<tr>
<td>Finish: 1 coat Pro-Cryl Primer @ 2.3 mils D.F.T.</td>
<td>2 coats Pro Industrial Pre-Cat Urethane @ 2.2 mils D.F.T. per coat</td>
</tr>
</tbody>
</table>

| Adhesion: | Method: ASTM D4541 | Result: 1457 p.s.i. |
| Abrasion Resistance: | Method: ASTM D4060, CS17 wheel, 1000 cycles, 500 g load | Result: 15.3 mg loss |
| Scrub Resistance: | Method: based on ASTM D2486 | Result: 4000 cycles, no shim |
| Dry Heat Resistance: | Method: ASTM D2485 | Result: 250°F |
| Flexibility: | Method: ASTM D522, 1/8 inch mandrel | Result: Pass |
| Accelerated Weathering QUV: | Method: ASTM D4587, QUV-A, 3,000 hours | Result: Pass |
| Pencil Hardness: | Method: ASTM D3363 | Result: HB |
| Chemical Resistance Rating: | (1 hour direct exposure to dry film) | 10% Acetic Acid, 10% Sulfuric Acid-Excellent |
| | | Ethanol-Excellent, 10% Sodium Hypochlorite & MEK-Slight color change |
| Motor Oil 10W30-Excellent | Water-Excellent |
| WVP Perms (US): | Method: ASTM D1653 grains/(hr ft2 in Hg) | Result: 26.00 perms |

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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.