BOND-PLEX®
WATERBASED ACRYLIC COATING

B71W00211 Extra White
B71T00204 Clear Tint Base
B71S00200 Aluminum

**SPECIFICATIONS**

- **Color:** Extra White, Clear Tint Base, Aluminum
- **Recommended Spread Rate per coat:** Extra White B71W00211 (may vary by color)
  - wet mils: 5.0 - 10.0
  - dry mils: 2.0 - 4.1
- **Coverage:** 330 - 160 sq ft/gal approximate
- **Theoretical coverage:** 657 sq ft/gal @ 1 mil dry
- **Drying Schedule @ 5.0 mils wet, 50% RH:**
  - To touch: @ 77°F/25°C 1.5 hours 45 minutes 20 minutes
  - To handle: @ 77°F/25°C 6 hours 4 hours 2 hours
  - To recoat: @ 77°F/25°C 8 hours 4 hours 2 hours

**CHARACTERISTICS**

- **Bond-Plex WB Acrylic** is a single component, waterborne acrylic, adhesion promoting coating formulated for direct application to pre-finished metal siding. Suitable for interior or exterior use.

- **Features:**
  - Outstanding adhesion
  - Eliminates the use of a primer over certain pre-finished siding
  - Outstanding application characteristics

For use over properly prepared pre-finished siding:
- Fluorocarbons (Kynar®)
- Polyester Polymers
- Silicone Polymers

**Recommended for:**
- Light industrial
- Pre-Finished Siding
- Manufacturing Facilities & New Construction
- Suitable for use in USDA inspected facilities

**Tinting with CCE:**
- **Base** oz/gal Strength
  - Extra White 0-4 SherColor
  - Clear Tint Base 10-12 SherColor
  - Do Not Tint Aluminum

**Extra White B71W00211** (may vary by base)
- **VOC(less exempt solvent):** <50 g/L - <.42 lb/gal
- **Volume Solids:** 41 ± 2%
- **Weight Solids:** 55 ± 2%
- **Weight per Gallon:** 10.90 lb/gal
- **Flash Point:** N/A
- **Shelf Life:** 36 months, unopened
- **KU:** 95-105
- **Finish:** 15-25°@85° Low Sheen

**Aluminum B71S00200**
- **VOC(less exempt solvent):** 97g/L -.81 lb/gal
- **Volume Solids:** 42 ± 2%
- **Weight Solids:** 45 ± 2%
- **Weight per Gallon:** 8.62lb/gal
- **Flash Point:** N/A
- **Shelf Life:** 12 months, unopened
- **KU:** 80-90
- **Finish:** 70°@60° Gloss

**VOC(less exempt solvent):** <50 g/L - <.42 lb/gal

- **As of 02/04/2019, Complies with:**
  - OTC Yes LEED® 09 NC, CI Yes
  - OTC Phase II Yes LEED® 09 CS Yes
  - SCAQMD Yes LEED® v4.01 TCO2/10
  - CARB Yes LEED® v4.01 T VOC Yes
  - LABS SCM 2007 Yes
  - Canada Yes MPI N/A

**RECOMMENDED SYSTEMS**

Pre-Finished Siding:
- **Fluorocarbon, Silicon Polymer, Polyester Polymers:**
  - 1-2cts. Bond-Plex WB Acrylic
  - Or
  - 1ct. DTM Bonding Primer
  - 1-2cts. Bond-Plex WB Acrylic

Pre-Owned Coated Pre-Finished Siding:
- **Fluorocarbon, Silicon Polyester, Polyester Polymers:**
  - 1ct. Bond-Plex WB Acrylic
  - 1-2cts. Pro Industrial Acrylic Coatings
  - Or
  - 1-2cts. Pro Industrial DTM Acrylic

Previously Painted, Hard, Slick or Glossy Surfaces:
- **Fluorocarbon, Silicon Polymer, Polyester Polymers:**
  - 1cts. Bond-Plex WB Acrylic
  - 1-2cts. Pro Industrial Acrylic Coatings
  - Or
  - 1-2cts. Pro Industrial DTM Acrylic

**System Tested:** (unless otherwise indicated)
- **Substrate:** Pre-Finished Siding
- **Surface Preparation:** SSPC-SP1
- **System**: 1 ct Bond-Plex WB Acrylic Extra White 2-4 mils

**Abrasion Resistance:**
- Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1 kg load
- Results: 90.03 mg loss

**Adhesion:**
- Method: ASTM D4541
- Results: 1477 psi

**Corrosion Weathering:**
- Method: ASTM D5894, 5 cycle
- Results: Rating 8.5 for rusting; Rating10 for blistering

**Direct Impact Resistance:**
- Method: ASTM D2794
- Result: Direct >176 in. lb

**Dry Heat Resistance:**
- Method: ASTM D2485
- Result: 200°F/93°C

**Flexibility:**
- Method: ASTM D522, 180° bend, 1/4" mandrel
- Result: Pass

**Humidity Resistance:**
- Method: ASTM D4585, 1443 Hours
- Result: Rating 8 for rusting; Rating 8D for blistering

**Pencil Hardness:**
- Method: ASTM D3363
- Result: 1.5B

**Salt Fog Resistance:**
- Method: ASTM B117, 274 hours
- Result: Rating 8 for rusting; Rating 8D for blistering

*with 1 ct Pro-Cryl & 1 ct Bond-Plex
**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.

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.**

**Previously Painted Surfaces** - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

**APPLICATION PROCEDURES**

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness, or porosity of the surface, skill, and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Always check compatibility of the previously painted surface with the new coating by applying a test patch of 2-3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

**SAFETY PRECAUTIONS**

Refer to the SDS sheets 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.

**PERFORMANCE TIPS**

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use. Stripe coat crevices, welds, and sharp angles to prevent early failure in these areas. 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

**CLEANUP INFORMATION**

Clean spills and spatters immediately with soap and warm water. Clean 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.

**APPLICATION**

Refer to the SDS sheet before use

**Temperature:**

- **50°F/10°C minimum**
- **120°F/38°C maximum**

**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. Excessive reduction of material can affect film build, appearance, and adhesion.

- **Water**
  - **Reduction**
  - **Clean Up**

**Conventional Spray**

- **Gun**
  - **Reduction**
  - **Airless Spray**
    - **Pressure**
    - **Hose**
    - **Atomization Pressure**
    - **Fluid Pressure**
    - **Reduction**
    - **Cover**

**Airless Spray**

- **Gun**
  - **Reduction**

**Reduction**

- **Water**

**Cover**

- **1/4” woven solvent resistant core**

**Reducers**

- **Reduction**
  - **Filter**

**Hose**

- **1/4”-3/8” ID**

**Filter**

- **60 mesh**

**Reduction**

- **As needed up to 10% by volume**

**Cover**

- **1/4” woven solvent resistant core**

**Reduction**

- **Not recommended**

**Clean Up**

- **Soap & Water**

**Cover**

- **Nylon / polyester**

**Reduction**

- **Not recommended**

**FRC, SP, KOR**