



# PLEXON

**ACRYLIC URETHANE COATING:  
AIR DRY OR HEAT CURE  
SERIES R815  
SURFACE PROTECTION COATING**



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## DESCRIPTION

PLEXON is a solvent-borne, acrylic urethane, two-component coating with a unique resin system that cures to form a tough, durable urethane film. Intended for application to metal or concrete substrates, PLEXON provides excellent protection to surfaces exposed to UV, corrosive chemicals, impacts and abrasions.

## OUTSTANDING FEATURES/BENEFITS

- Extends product life by providing excellent durability for both interior and exterior applications
- Provides an attractive, long-lasting gloss finish
- Adheres to both concrete and steel

## TYPICAL USES

- Metal substrates for machinery, storage tanks, water towers, structural steel, signs, scoreboards, decorative fixtures, etc.
- Interior or exterior applications
- For corrosion protection
- For UV light resistance
- For abrasion and impact protection

## NOTICE

**Before using this product, read all warnings, limitations and safety information printed on the product label, Safety Data Sheet (MSDS) and Technical Data Sheet.**

## LIMITATIONS

- Applying at temperatures  $\leq 50^{\circ}\text{F}$  will extended drying times and negatively affect product appearance and performance.
- Mixed product must be used within 8 hours.
- Not approved for potable water applications or for surfaces in contact with food.
- Component B is susceptible to moisture. Keep can closed when not in use.

## COMPOSITION AND PHYSICAL PROPERTIES

<b>Net Weight per gallon</b>	White (A + B): 9.60 lbs./gallon Clear (A+B) 7.96 lbs./gallon	<b>Vehicle</b>	Urethane
<b>Weight Solids</b>	White (A + B): 54.00% – 58.00% Clear (A + B): 38.00% – 42.00%	<b>Color</b>	White, Clear
<b>Volume Solids</b>	White (A + B): 38.00% – 42.00% Clear (A + B): 31.00% – 35.00%	<b>Color Stability</b>	Excellent
<b>VOC</b>	White (A + B): 4.8 lbs./gallon Clear (A + B): 4.7 lbs./gal Theoretical	<b>Finish</b>	High Gloss
<b>Odor</b>	Strong Acetate	<b>Gloss</b>	80+ gloss units at 60°F
<b>Mix Ratio</b>	4A : 1B by volume	<b>Induction Period</b>	None
<b>Shelf Life</b>	Component A: 12 Months from Date of Shipment in unopened containers Component B: 12 Months from Date of Shipment in unopened containers	<b>Pot Life</b>	8 hours @ 77°F $\pm$ 5°F, $\leq$ 70% relative humidity
<b>Storage Conditions</b>	40°F to 100°F	<b>Coverage Rate*</b>	White 320 sq. ft./gallon @ 5 mils Wet 320 sq. ft./gallon @ 2 mils Dry Clear 239 sq. ft./gallon @ 6 mils Wet 239 sq. ft./gallon @ 2 mils Dry
<b>Freeze/Thaw Stability</b>	Stable	<b>Dry Film Thickness</b>	1.0 - 2.0 mils
<b>Flash Point</b>	Component A: 62°F Component B: 54°F		

\*Actual figures do not include spray loss. Also allow for surface irregularities and porosity, as well as material loss when mixing.

**IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY**

We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION. THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY

PERFORMANCE AND FUNCTIONAL PROPERTIES			
<b>Abrasion Resistance</b>	Excellent	<b>Temperature Resistance</b>	Dry: 210°F
<b>Accelerated Weathering QUV:</b>			
< 1 <i>Delta E</i>	4000 hours		

**GENERAL**

This product is a paint-like material consisting of a unique urethane resin system thinned with appropriate solvents. For maximum service, the APPLICATION INSTRUCTIONS MUST BE FOLLOWED CLOSELY.

**FILM THICKNESS**

As supplied, this product will yield a dry film thickness of about 0.002 inches per spray application. Apply wet film of 0.005 inches.

**COVERAGE**

One gallon of this material will cover between 239 and 320 sq. ft. with a dry film thickness of 0.002 inches depending on color. Coverage depends upon methods of application and other variables such as overspray and type of surface to be coated. Above coverage rates are based on 100% efficiency.

**STIRRING**

IMPORTANT! STIR THOROUGHLY BEFORE USE AND INTERMITTENTLY DURING APPLICATION.

**MIXING**

Stir Component A thoroughly. While continuing to stir, slowly pour one part Component B into four parts of Component A. Continue stirring until thoroughly mixed and combined components result in a uniform appearance.

**THINNING**

Use as supplied after mixing.

**APPLICATION**

For spraying – Use airless or conventional sprayer.

**DRYING OR CURING**

PLEXON may be air dried or force cured.

Ambient dry at 77°F ± 5°F and ≤ 70% relative humidity.

- Tack Free..... 30 minutes
- Between Coats..... 3 hours
- Dry to Handle..... 4 to 8 hours
- Complete cure..... 7 days

After a flash time of 30 minutes at 77°F ± 5°F and ≤ 70% relative humidity, bake 60 minutes (1 hour) @175°F.

**IMPORTANT!** The time starts when **the part** reaches temperature, not when placed in a Class A oven.

**CLEANUP**

Use butyl acetate to clean equipment or tools.

**DANGER! USE WITH ADEQUATE VENTILATION.**

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 We warrant our products to be free of manufacturing defects and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and are accurate to the best of our knowledge. They are based on technical data we believe to be reliable and are intended for use by persons having skill and "know-how" at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders of other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. SANDSTROM PRODUCTS COMPANY