



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

Net Weight per gallon	(A + B): 9.60 lbs./gallon	Vehicle	Urethane
Weight Solids	(A + B): 54.00% – 58.00%	Color	White
Volume Solids	(A + B): 38.00% – 42.00%	Color Stability	Excellent
VOC	(A + B): 4.8 lbs./gallon (Theoretical)	Finish	High Gloss
Odor	Strong Acetate	Gloss	80+ gloss units at 60°F
Mix Ratio	4A : 1B by volume	Induction Period	None
Viscosity	Component A: 70 – 76 KU @ 77°F Component B: 32 – 37 seconds, #2 Zahn Cup @ 77°F	Pot Life	8 hours @ 77°F \pm 5°F, \leq 70% relative humidity
Shelf Life	Component A: 12 Months from Date of Shipment in unopened containers Component B: 12 Months from Date of Shipment in unopened containers	Coverage Rate*	320 sq. ft./gallon @ 5 mils Wet 320 sq. ft./gallon @ 2 mils Dry
Storage Conditions	40°F to 100°F	Dry Film Thickness	2.0 mils
Freeze/Thaw Stability	Stable		
Flash Point	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.

PERFORMANCE AND FUNCTIONAL PROPERTIES

Abrasion Resistance	Excellent	Temperature Resistance	Dry: 210°F
Accelerated Weathering QUV:			
< 1 Delta E	4000 hours		

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

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 320 sq. ft. with a dry film thickness of 0.002 inches. 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 CONTINUOUSLY 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