



# SANCRYL 300

ACRYLIC ENAMEL COATING: AIR DRY OR HEAT CURE

SERIES A300

SINGLE-COMPONENT, UV-RESISTANT



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## DESCRIPTION

Sancryl 300 is a tough, durable acrylic enamel with excellent resistance to UV degradation.

## OUTSTANDING FEATURES/BENEFITS

- Excellent exterior durability
- Good flexibility
- Low gloss with no reflective glare

## TYPICAL USES

Sancryl 300 is designed for use as a coating for signs, scoreboards, instrument panels and other exterior and interior applications over aluminum, primed steel and most plastics. Use where long life and protection from UV damage is important. For best results outdoors, prime the surface with Sandstrom Aqua-Poxy 914.

## 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

- **DO NOT** apply at temperatures below 50°F.
- Applying at temperatures below 60°F and humidity levels above 70% will result in greatly prolonged drying and curing times and may affect appearance and/or performance. Curing for 10 minutes at 140°F to 180°F is recommended for faster handling and optimum cure.
- Protect from rain for at least 24 hours after curing.
- Aluminum needs to be primed with 0.3 to 0.5 mils of Aqua-Poxy 914 primer for maximum durability.
- Steel must be primed with Aqua-Poxy 914 for corrosion resistance (2+ mils).

## COMPOSITION AND PHYSICAL PROPERTIES

<b>Net Weight per gallon*</b> <i>ASTM D1475</i>	9.6 – 11.7 lbs.	<b>Vehicle</b>	Acrylic
<b>Weight Solids*</b>	51 – 61%	<b>Color</b>	Black, White, & Gray Custom color upon request
<b>Volume Solids*</b>	41 – 47% (Theoretical)	<b>Finish</b>	Flat
<b>VOC - water</b>	1 - 1.2 lbs./gallon (145 g/L) (Theoretical)	<b>Gloss</b> <i>ASTM D523</i>	2 – 7 (60° meter)
<b>Odor</b>	Alcohol/Ammonia	<b>Drying Time:</b>	@77°F ± 5°F; ≤ 70% relative humidity; adequate ventilation
<b>pH</b>	8.8 – 9.5	<i>Tack Free</i>	15 – 30 minutes
<b>Viscosity</b>	60 – 70 KU @ 77°F	<i>Between Coats</i>	1 hour
<b>Shelf Life</b>	1 year from date of shipment in unopened container	<i>Dry to Handle</i>	1 hour
<b>Storage Conditions</b>	50°F – 100°F	<i>Complete Cure</i>	7 days
<b>Freeze/Thaw Stability</b>	KEEP FROM FREEZING	<b>Force Cure:</b>	
<b>Coverage Rate**</b> <i>ASTM D1400</i>	360 sq. ft./gallon @ 5 mils wet 360 sq. ft./gallon @ 2 mils dry	<i>Flash Time</i>	10 -30 minutes @77°F ± 5°F; ≤ 70% relative humidity
		<i>Oven Bake</i>	10 minutes @ 140°F – 180°F

\*Varies by color.

\*\*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

<b>Accelerated Weathering QUV:</b>	UVA-340 bulbs	<b>Flexibility (Mandrel)</b>	1/8 inch*^
3000 hrs	1 Delta E color change (Typical); White, black, & gray perform twice as well	<b>Impact Resistance</b>	8 inch-pound*^
		<b>Pencil Hardness</b>	HB*^
<b>Adhesion (X Cut)</b>	5A*^	* Over Sandstrom E914 Primed CRS ^ Over Sandstrom E914 Primed Aluminum	

**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**

For maximum service, the APPLICATION INSTRUCTIONS MUST BE CLOSELY FOLLOWED.

**COVERAGE**

One gallon of this material will cover 360 sq. ft. with a dry film thickness of 0.002 inches. Coverage depends upon method of application and other variables such as overspray and type of surface to be coated. Above coverage rates are based on 100% efficiency.

**SURFACE PREPARATION**

Surfaces should be clean, dry, and free of all dirt, grease, wax, loose or peeling paint, oil, and other contaminants. For maximum adhesion, use a cleaner/etcher designed for aluminum or fiberglass OR clean the substrate with Sanpro® Easy Clean and prime with Aqua-Poxy 914 Primer.

**IMPORTANT! DO NOT TOUCH CLEAN SURFACE WITH FINGERS - OIL FROM THE HANDS WILL INTERFERE WITH PROPER COATING ADHESION.** Whenever possible, treat both contact surfaces (i.e., the shaft and the bearing).

**THINNING**

Apply as is for HVLP application, or thin 20 parts Sancryl 300 to 1 part RO/DI water for conventional air spray, viscosity of 60 – 70" #2 Zahn Cup (ASTM D4212).

**APPLICATION**

Sancryl 300 is formulated for conventional spray or HVLP spray application. Roller application is possible under ideal conditions.

**CLEANUP**

Clean equipment immediately with water.

**REMOVAL**

In the event it is necessary to remove Sancryl 300, physical removal is best (such as grit blasting, sanding or grinding).