



# SANCRYL 520

**SERIES A520**

**AN EXTERIOR ACRYLIC LACQUER**

**UTILIZES NON-HAP SOLVENTS**



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## DESCRIPTION

Sancryl 520 is a high performance lacquer designed for maximum exterior life. Sancryl 520 maintains its gloss longer than most Urethanes and competitive lacquers, making it an excellent choice for critical applications.

## OUTSTANDING FEATURES/BENEFITS

- Excellent exterior durability
- HAPS free

## TYPICAL USES

Sancryl 520 is designed for use as a coating where very long life and abrasion resistance is important:

- Signs
- Scoreboards
- Exterior and Interior applications over primed aluminum
- Zinc plated steel
- Primed steel
- Primed plastics

## 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 below 50°F or humidity levels about 70% will result in greatly prolonged drying and curing times and may affect product appearance and/or performance.
- Aluminum needs to be primed with 0.3 to 0.5 mils of E314 primer for maximum durability.
- Steel needs to be primed with E314 primer for maximum corrosion resistance (2 mils indoors, 4+ mils outdoors)
- Exterior exposure will be enhanced by application of A520-C30 Matte Clear of A520-C90 Gloss Clear.

## COMPOSITION AND PHYSICAL PROPERTIES

<b>Net Weight per gallon</b>	8.0-9.5 lbs./gallon (Theoretical) (Varies by color)	<b>Vehicle</b>	Acrylic
<b>Weight Solids</b>	35-46% (Theoretical) (Varies by color)	<b>Colors</b>	Standard: Black, White, Custom: 43 color formulas available
<b>Volume Solids</b>	28-35% (Theoretical) (Varies by color)	<b>Finish</b>	Gloss to Matte
<b>VOC</b>	5.0 lbs./gallon (600 g/Liter) (Varies by color)	<b>Gloss</b> <i>ASTM D523</i>	Varies from 15-80+ gloss units at 60°F
<b>Odor</b>	Butyl Acetate	<b>Coverage Rate*</b> (averages, varies by color)	275 sq. ft./gal. @ 5 mils wet 275 sq. ft./gal. @ 2 mils dry
<b>Viscosity</b>	Varies by color	<b>Recommended Coats</b>	1 – 2
<b>Shelf Life</b>	24 Months from Date of Shipment	<b>Dry Film Thickness</b>	2 mils (Varies by color)
<b>Storage Conditions</b>	30°F to 100°F	<b>Flash Point</b>	75°F
<b>Freeze/Thaw Stability</b>	No Effect		

\*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</b> <b>QUV: UVA-340 bulbs</b>	3,000 hours: 1 Delta E change (some colors require clear top coat for enhanced longevity)
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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

**FILM THICKNESS & DRY**

As supplied, this product will yield a film thickness of about 0.001 – 0.002 inches per spray application

**COVERAGE**

One gallon of this material will cover 275 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.

**SURFACE PREPARATION**

Surfaces should be clean, dry, and free of all dirt, grease, wax, loose or peeling paint, oil, and other contaminants. If necessary, degrease with solvent or a water soluble degreaser/cleaner such as Sanpro® Easy Clean. Always etch aluminum thoroughly after cleaning.

**STIRRING**

STIR THOROUGHLY BEFORE USE AND **CONTINUOUSLY** DURING APPLICATION.

**THINNING**

Thin Sancryl 520 with D520 HAPS-free solvent blend to a viscosity of 20-25 seconds, #2 EZ Zahn (ASTM D4212). Do not use aliphatic naphtha lacquer thinners.

**APPLICATION**

Sancryl 520 is formulated for conventional, air assisted airless or HVLP spray application. Use in a well ventilated area.

**DRYING/CURING**

Sancryl 520 may be air dried for force cured. Air dry according to the following schedule:

- Tack Free: 15 – 30 min.
- Between Coats: 15 – 30 min.
- Dry to handle: 1 hour
- Complete Cure: 7 days

After a flash time of 20 minutes at room temperature, Sancryl 520 can be force cured for 20 minutes @180°F.

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

**CLEANUP**

Clean equipment with D520 HAPS-free solvent blend.

**REMOVAL**

Abrasive Blast

**WARNINGS:** Stir well prior to using.

**DANGER! USE WITH ADEQUATE VENTILATION.**

**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).

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