

SANCRYL™ 520

SERIES A520
AN EXTERIOR ACRYLIC LACQUER



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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.

TYPICAL USES

SANCRYL™ 520 is designed for use as a coating for signs, scoreboards and other exterior and interior applications over primed aluminum, zinc plated steel, primed steel, and primed plastics. Use where very long life and abrasion resistance is important.

OUTSTANDING FEATURES/BENEFITS

- Excellent exterior durability
- HAPS free
- Good abrasion resistance

TYPE: Acrylic

COLORS: Black, White, Custom colors available.

FINISH: Gloss to Matte finish

PACKAGING: Available in 5 gallon pails and 1 gallon cans.

LIMITATIONS

- Applying at temperatures below 50°F or humidity levels above 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 **Poxylube® #427** primer for maximum durability.
- Steel needs to be primed with **Poxylube® #427** primer for maximum corrosion resistance (2 mils indoors, 4+ mils outdoors)
- Exterior exposure will be enhanced by application of A520-C30 Matte Clear or A520-C90 Gloss Clear.
- 7 days are needed to *optimize properties* when curing below 110°F.

COMPOSITION AND PHYSICAL PROPERTIES

Net Wt./Gal. (theoretical) 8.0-9.5 lb.
(Varies by color)

average VOC 5.0 lb./gal. (600 g/Liter)
(varies by color)

Solids ASTM D2832 (varies by color)
By weight: 35-46%
By volume: 28-35%

Storage Conditions 30°F to 90°F

Abrasion Resistance Excellent

Freeze/Thaw Stability in Can No Effect

Odor Butyl Acetate

Recommended Coverage Rate* (averages, varies by color) 275 sq. ft./gal. @ 5 mils wet
275 sq. ft./gal. @ 2 mils dry

Shelf Life 2 years

Thinner/Cleanup Butyl Acetate

Drying Time
Tack Free: 15 - 30 min.
(@70°F, 50% humidity, adequate ventilation)
Between Coats: 15 - 30 min.
Dry to handle: 1 hour
Complete Cure: 7 days

Gloss ASTM D523 (60° meter) varies from 15 - 80+

Accelerated Weathering QUV: UVA-340 bulbs 3,000 hours: 1 Delta E change
(some colors require clear top coat for enhanced longevity)

Force Cure:

Flash Time: 20 minutes - room temperature
Oven Bake: 20 minutes @180°F

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

NOTICE

Before using this product, read all warnings and safety information printed on the label, the Material Safety Data Sheet, and the Technical Information Guide.

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.

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 is accurate to the best of our knowledge. They are based on technical data which 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 or 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. © 2/1/98 SANDSTROM PRODUCTS COMPANY - January 2010

THINNING

Thin **SANCRYL™ 520** with D520 HAPS-free solvent blend to a viscosity of 20-25 seconds #2 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.

CLEANUP

Clean equipment with D520 HAPS-free solvent blend.