

PRODUCT DATA SHEET

Product Codes

Satin	DC-0523
Medium Satin	DC-0543

Description

Single-Component, Self-Crosslinked Acrylic, White Waterborne Finish

Features

- High solids and low odor
- Fast dry and quick stacking times
- Excellent sandability as self-seal system
- Excellent film build properties

Uses

Wood surfaces, kitchen cabinets, store fixtures, furniture, and fine architectural woodwork

Physical Properties

Weight	8.86 lb/gal
Viscosity at 77°F	90 to 95 Ku
Solids Weight	34.00%
Solids Volume	30.00%
Theoretical Coverage	471 sq. ft./gal
Flash Point	>200°F
VOC	< 95 g/L
HAPS	0.05 lbs of HAPS/lbs of solids

Gloss Levels at 60 Degrees

Satin	25 to 30
Medium Satin	35 to 40

Surface Preparation

New Work:

Sand raw wood with 120 to 180 grit sandpaper and remove dust. Sand between coats with 220 to 320 grit.

Mixing Instructions

Reduction:

5% water as needed

Mixing:

Tintable with 808 colorant (4-13 oz/gal)

Application

Apply 2 to 3 coats at a rate of 3 to 5 wet mils per coat.

Air Spraying (Cup Gun):

Nozzle Size	0.066
Pressure	35 to 45 PSI

Airless Spraying:

Tip Size	.009 to .013
Pressure	1450 to 2175 PSI

Air-Assisted Airless Spraying:

Tip Size	.009 to .013
Material Pressure	400 to 500 PSI
Assist Air Pressure	10 to 15 PSI

Recoatibility:

Sandable and recoatable after 1 to 2 hours at 68°F. Use Scotch-Brite or 280 to 320 grit sandpaper between coats. Sanding dust must be removed by blowing off or tack ragging. For best adhesion, sand previous coat immediately before applying topcoat and apply the topcoat to the sanded surfaces within 6 to 8 hours.

Wet Film Thickness per Coat:

3 to 5 mils

Dry Film Thickness per Coat:

1.0 to 1.6 mils

Clean-Up

Clean with water when in liquid state, clean with an 80/20 blend of water and Butyl Cellusolve when material is semi-dried, and clean with Acetone to remove dried coating.

Dry Times at 68° F

Touchable	15 to 30 minutes
Sandable	1 to 2 hours
Ready for Testing	7 days

Drying Conditions:

Conditions should NOT be below 65°F and 40% relative air humidity. Ideal conditions are 68°F to 77°F and 50 to 65% relative air humidity.

Forced Drying:

After adequate flash-off time at room temperature, may be force dried with circulating air temperatures up to 120°F

Storage

Storage Life	12 months in the closed, original container
Storage Temperature	60°F to 77°F in unopened container

Cautions

These products are designed for shop application and professional use only. Safety Data Sheets are available from your Diamond Vogel representative. Prior to use of this product, obtain and review the Safety Data Sheet for health and safety information. Read and observe all precautionary notices on container labels.

Limited Warranty

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel does not control the applicaiton of its products, or the condition of the surfaces to which they are applied, Diamond Vogel liability will under no circumstances exceed replacement of the product. All technical information is subject to change without notice.