

PRODUCT DATA SHEET

Product Codes

Satin	DC55472
Dull Satin	DC52592

Description

Ready to use, high solids, clear water base exterior topcoat that provides very good chemical and abrasive resistance.

Features

- Low VOC
- High solids and low odor
- Fast dry and stacking times
- Easy self-seal sandability
- Excellent flow and leveling
- Self-cross linking
- No critical recoat time

Uses

Wood surfaces, kitchen cabinets, restaurant, store fixtures, fine furniture, architectural woodwork and exterior windows, doors, etc.

Physical Properties

Weight	8.62 lb/gal
Viscosity at 77°F	25 - 28 sec w/ #3 Zahn
Solids Weight	36%
Solids Volume	33%
Theoretical Coverage	sq. ft./gal
Flash Point	>200°F
VOC	.38 lbs/Gal or 45 g/L
HAPS	lbs of HAPS/lb of solids

Gloss Levels at 60 Degrees

Satin	35 to 40
Dull Satin	25 to 30

Surface Preparation

New Work:

Sand raw wood with 150 to 180 grit sandpaper and remove dust. Sand between coats with 320 to 400 grit.

Stain Precautions:

Oily stains must be fully cured before applying topcoat.

Sealer:

Use as a self-seal finish system.

Mixing Instructions

Mixing:

Always mix with a Cowles blade before use and maintain agitation. Do not shake product to avoid introducing air bubbles.

Reduction:

Warming product to 85°F before application should eliminate the need for reduction however product may be reduced up to 5% with water as needed.

Application

Apply 1 to 3 coats at a rate of 4 to 6 wet mils per coat. Do not exceed 15 wet mils for the total system.

Air Spraying (Cup Gun):

Nozzle Size	0.066 in 1.8 mm
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	600 to 750 PSI
Assist Air Pressure	12 to 18 PSI

Recoatability:

Sandable and recoatable after 30 minutes at 68°F, 15 minutes at 110°F.

Use 320 to 400 grit sandpaper between coats. Sanding dust must be removed with a clean white rag and / or by blowing off surface. For best adhesion, sand previous coat immediately before applying topcoat.

Note: This product does not "powder" when sanding like Aquinity products. This is normal assuming prescribed drying guidelines have been followed.

Wet Film Thickness per Coat:

4 mils vertical to 6 mils horizontal

Maximum Dry Film Thickness:

4 mils total

Clean-Up

Soap and water

For removal from hands.

Fresh Water

Guns, parts, pumps, etc. can be flushed clean with fresh water while Aquinity is still liquid.

Gun Cleaner / Acetone

Use 5575-DS Gun Cleaner or C-140 Acetone on guns, parts, pumps, etc. to remove dry Aquinity. Gun Cleaner / Acetone must be thoroughly rinsed / flushed with fresh water after use.

Dry Times at 68° F

Touchable	15 minutes
Sandable	30 minutes
Ready for Testing	14 days

Drying Conditions:

Conditions should NOT be below 65°F and 40% relative air humidity. Ideal conditions are 68°F to 85°F and 50 to 65% relative air humidity. Variations can lead to drying and curing problems. Drying times listed may vary depending on film build, room & substrate temperature, humidity and air movement in room.

Forced Drying:

A flash-off of 3 min 30 sec at 85°F is recommended before force drying product / substrate. Do not exceed a Max BST of 125°F. See your DV Rep for more information.

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 application 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.