

## PRODUCT DATA SHEET

### Product Codes

Gloss	DC-0519
Semi-Gloss	DC-0516
Medium Satin	DC-0514
Satin	DC-0513
Dull Satin	DC-0512
Flat	DC-0510
Cross Linker (PZ-45)	DM-0210

### Description

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

### Features

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

### Uses

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

### Physical Properties

Weight	8.6 to 8.8 lb/gal
Viscosity at 77°F	79 to 81 Ku
Solids Weight	31 to 35%
Solids Volume	29 to 31%
Theoretical Coverage	471 sq. ft./gal
Flash Point	>200°F
VOC	99 to 110 g/L
HAPS	0.04 lbs of HAPS/lbs of solids

### Gloss Levels at 60 Degrees

Gloss	70+
Semi-Gloss	55 to 60
Medium Satin	39 to 44
Satin	27 to 34
Dull Satin	18 to 23
Flat	5 to 10

### Surface Preparation

#### New Work:

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

#### Stain Precautions:

Oily stains must be fully cured before applying topcoat.

#### Sealer:

None

### Mixing Instructions

#### Catalyzation:

If using PZ-45 Cross Linker (DM-0210), 1% by volume, stir-in with agitation. Allow 10 minutes of induction time.

#### Reduction:

5% water as needed

### 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:

0.9 to 1.5 mils

### Clean-Up

Soap and water - use acetone to remove dried coating

### Dry Times at 68° F

Touchable	25 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. Variations lead to drying and curing problems. Drying times listed may vary depending on film build, temperature, humidity and degree of air movement. Temperatures are based on actual board temperatures. Times may vary depending on length of time for boards to reach these temperatures.

### 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.