

PRODUCT DATA SHEET

Product Codes

Primer DC-0505

Description

Ready to use high solids neutral water base primer that provides very good hide when used on hardwood or MDF.

Features

- High build with anti-sag resistance
- Fast dry
- Easy sanding
- Can be top-coated with waterborne, pre-cat lacquer, post-cat lacquer, conversion varnish, and urethane

Uses

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

Physical Properties

Weight	12.4 lb/gal
Viscosity at 77°F	25 to 35 seconds #3 Zahn
Solids Weight	66%
Solids Volume	48%
Flash Point	>200°F
VOC	39 g/L

Gloss Levels at 60 Degrees

Primer	10 Max
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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:

Use water as required

Mixing:

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

Application

Apply 1 to 3 coats at a rate of 3 to 5 wet mils per coat. Do not exceed 15 mils wet for the total system.

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 600 PSI
Assist Air Pressure 10 to 15 PSI

Recoatibility:

Sandable and recoatable after 1 hour at 68°F. Use Scotch-Brite or 220 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:

4 to 5 mils

Dry Film Thickness per Coat:

2 to 2.5 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 minutes
Sandable	1 to 2 hours
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 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

Pot Life:

N/A

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.

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