

PRODUCT DATA SHEET

Product Codes

Gloss	CG-1259
Satin	CG-1253
Dull Satin	CG-1252
Flat	CG-1250
Catalyst	CG-0270

Description

Two-Component, White Pigmented Acrylic Polyurethane

Features

- A two-component acrylic urethane developed from advanced European resin technology
- Superior resistance to abrasion, water, staining, household chemicals, and body oils
- Contains UV absorbers
- Self-sealing, "multi-coat" technology

Physical Properties

Weight	9.16 lb/gal
Viscosity at 77°F	25 to 35 seconds #2 Zahn
Solids Weight	41%
Solids Volume	27%
Theoretical Coverage	320 sq. ft./gal
Flash Point	41°F
VOC	643 g/L
HAPS	0.42 lbs of HAPS/lbs of solids

Gloss Levels at 60 Degrees

Gloss	75+
Satin	35 to 40
Dull Satin	20 to 25
Flat	10 to 15

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

Catalyzation:

By volume, add 12.8 oz. of CG-0270 (DR4070) to 1 gallon of CG-125X. Mix product while adding catalyst.

Reduction:

5 to 10% by volume with N-9400

Application

Apply 1 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 40 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 15 to 20 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:

3 to 5 mils

Dry Film Thickness per Coat:

0.66 to 1.1 mils

Clean-Up

Lacquer Thinner, Acetone, Ketone solvents, MEK

Dry Times at 68° F

Dust Dry	20 to 30 minutes
Touchable	1 Hour
Sandable	After 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:

8 hours at 68°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

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