

**Technical Information**

**Product Codes:** CG-0247 (DU-45449)\* Gloss (65-70)  
CG-0245 (DU-45445)\* Semi Gloss (55-60)  
CG-0243 (DU-45443)\* Satin (35-40)  
CG-0242 (DU-45442)\* Dull Satin (20-25)  
CG-0241 (DU-45440)\* Flat (5-10)



**Catalyst:** CG-0271 (DR4071)\* (10:1 Mixed Ratio)

**Description:** 2 Component Clear Acrylic Urethane

- Characteristics:**
- A 2-component acrylic urethane developed from advanced European resin technology.
  - A urethane of the highest quality with good scratch resistance, smooth tactile surface and excellent clarity even on darker backgrounds.
  - Superior resistance to abrasion, water, staining, household chemicals and body oils.
  - Contains UV absorbers.
  - Does not contain formaldehyde.

**Field of Application:** Wood surfaces in restaurants, kitchen and bathroom areas, for tables, etc. For surfaces that need the highest resistance to chemicals and abrasion.

**Physical Properties (CG-024X) (DU-4544X)\***

Weight per gallon	7.80 lb/gal
Viscosity after Catalyzation	26-32 sec. Zahn #2 sig @77°F
% Solids – by Weight	28%
% Solids – by Volume	22%
Theoretical Coverage at 1 Mil Dry	353 sq. ft/Gal Does not include spray loss. Coverage will vary depending on application method and coating thickness.
Flash Point	41°F
Color	Clear
Gloss 80°to90°	Gloss = 65 to 70 Semi-Gloss = 50 to 55 Satin = 35 to 40 Flat = 5 to 10
VOC Mixed	5.6 lb/gal or 673 g/L
HAPS Mixed	1.12 lbs of HAPS/lbs of solids

**Surface Preparation**

New Work	Let sealer dry overnight at room temperature. Sand sealer with 280-400 grit sandpaper and remove dust. Sand between coats with 400 grit.
Sealer Recommendations	Use an appropriate sealer for the substrate and desired appearance. Recommended sealers include CG-0233 (CG-0233)* and CG-0268 (DG-4768)*. For exotic, oily wood use isolation barrier DG-4720. Consult your representative for more information.

**Mixing Instructions**

Catalyzation	By volume, mix 10 parts of CG-024X (DU-4544X)* with 1 part of CG-0271 (DR4071)*(12.8 fld.oz. per gal.). Mix product while adding catalyst. Pot life 6 to 8 hours.
Reduction	5-10% by volume with N-9400 (DV4900)*. Thin as necessary for spray application.
Retarder	3-5% by volume with N-9409 (DV4909)*

**Application Method & Notes**

General Guidelines	Apply 1 to 4 coats at a rate of 3 to 5 wet mils per coat.
Air Spraying (Cup Gun):	Nozzle size: .070 - .079 (1.8-2mm) Pressure: 35-50 PSI
Airless Spraying:	Tip size: .009 - .011 Spray pressure: 1450-2175 PSI
Airless, Air-Assisted / Airmix spraying:	Tip size: .009 - .011 Material pressure: 870-1450 PSI Assist air pressure: 12-20 PSI
Recoatibility	Sandable and recoatable after 4 hours at 68°F. Use Scotch-Brite™ or 400 sand paper between coats. Sanding dust must be removed by blowing off or tack raging. For best adhesion, sand previous coat immediately before applying topcoat and apply the topcoat to the sanded surfaces within 6-8 hours.
Wet Film Thickness per coat	3- 5 mils
Maximum Dry Film Thickness	Maximum film build of the total system should not exceed 8 mils dry.

**Clean Up**

\*Original Hesse-lignal code number

## ElitePUR Acrylic Urethane CG-024X (DU-4544X)\*

Lacquer Thinner, Acetone, MEK, or any Ketone solvent

### Dry Times

Drying times and Drying conditions:	Conditions should NOT be below 65°F and 40% relative air humidity. Ideal conditions are 68°F to 77°F and 50-65% 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.
Dust dry:	5 min. @ 68°F
Touchable:	20 min. @ 68°F 15 min. @ 110°F
Sandable and Recoatable:	After 4 hours @ 68°F 30-45 min. @ 110°F
Flash-off Zone/Forced Drying/Channel Conditions	After adequate flash-off time at room temperature, may be force dried with circulating air temperatures up to 120°F
Ready for testing:	14 days

### Shelf Life and Storage

Storage Life:	1 Year 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.**

“Material Safety Data Sheets” are available from your Vogel Industrial Wood Coatings representative. Prior to use of this product, obtain and review the Material 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 Vogel Industrial Wood Coatings does not control the application of its products, or the condition of the surfaces to which they are applied, Vogel Industrial Wood Coatings' liability will under no circumstances exceed replacement of the product. All technical information is subject to change without notice.

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