



# Opaque VariColor; Crystal Coat and VC Max VCO, CCO; MVCO

## Description

**Varicolor Opaque** is a solvent base catalyzed pigmented effect coating designed to provide optimum durability and appearance in an air dry coating. Varicolor Opaque is a unique product that will show a beautiful display of color through a spectrum of hues. The observed color is dependent on the direction of lighting and the location of the viewer. Varicolor Opaque will provide lacquer-like dry time and good initial hardness. This coating complies with most air quality regulations, and will be at or under 2.8 lbs/gal VOC when mixed. Pot life ranges from 8 to 24 hours.

These qualities make it ideal for production work, work in dusty environments, and where a quick dry time is needed.

**Suggested Uses:** Use **Varicolor Opaque** for: Truck and automotive coating and trim; lighting; trophies; jewelry; fishing lures; statuary; picture frames; architectural metal and more.

**DOT SPECIFICATIONS:**  
PAINT, UN1263, 3, PG II

## Benefits

- \* Superior flow out and appearance.
- \* Air dry or low bake.
- \* Formaldehyde free.
- \* Good UV protection, non-yellowing.

VOC Compliant

- \* Ease of application.
- \* Excellent chemical and salt spray resistance.
- \* Available in a variety of colors.

## Lab Results

Adhesion:	Excellent	Flexibility	Very Good
Solvent Resistance:	Good	Weatherability	Excellent
Impact Resistance:	Good	Salt Spray:	Excellent
Gloss:	SemiGloss to Flat	Humidity:	Excellent
		UV:	Excellent

## Properties

Vehicle Type:	Acrylic/Urethane	<b>Drying</b>	
Gloss:	Full	Touch:	20 minutes
Specific Gravity:	1.04	Handle:	30 minutes
Weight per gallon:	8.66 lbs.	Pack:	Overnight or upon cooling if forced dried
Solids % Vol./Wt.:	17.31/ 20.40%	Force Dry:	Flash off 10 minutes, bake 20 minutes at 140-194° F
Package Life:	One year		
Gallon spread @1 mil:	278 sq. ft. sq. ft.		
VOC lb/gal gm/ltr:	2.8# / 336 gm		

Mfg by G.J. Nikolas & Co., Inc.





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## Directions for Use: Preparation

Surface to be coated must be clean, dry and free of oil or grease. Ambient temperature must be above 50F at application. VariColor Opaque can be applied successfully over variety a of primers or surfacers. 2K Epoxies are best for adhesion and for bonding with Varicolor, however, any system that works

well with Acrylic Urethane topcoats are suitable.

### RECOMMENDED FILM THICKNESS:

Wet: 3-4 mils

Dry: .5-1.5 mils

## Directions for Use: Application

**Mixing:** Mix six parts of Varicolor Opaque with one part Urethane Part B. Thin catalyzed mixture one to one with #11636 Exempt Reducer, or equivalent. #11636 Reducer is VOC exempt, therefore the VOC of the coating will not be affected by its addition. If conventional thinner is used, the VOC will be altered, and the coating will no longer be classified as exempt.

**Spray:** Use 40-50 psi. Cover piece with one double wet coat, making sure not to produce a misty or dry spray appearance. Varicolor builds quickly, so if more depth is required allow 1-2 minutes flash-off before applying further coats.

**Top Coat:** VCO dries to a semi gloss or flat finish. If a gloss finish is required, topcoat with #12667 Gloss Uralac, or equivalent. Since VCO is a 2K Urethane, it should be topcoated the same day it is applied. If this is not practical, allow at least 12 hours of drytime, then scuff sand and topcoat. Scuff sanding will prevent outgassing of the VCO Urethane.

**Curing:** After a 15 minute flash off, coated parts may be forced dried at 140-194 degrees F for 10 to 30 minutes. Application should take place with relative humidity under 70%. Allow a minimum of 24 hours before assembly or packaging. Exact dry time should be evaluated based on your process.

## Protective Equipment

**Eyes:** Safety glasses

**Skin:** Neoprene rubber gloves

**Respiratory:** NIOSH approved respirator for organic vapor.

**For long term exposure, use Supplied Air Respirator**

**In case of fire:** Use foam, dry chemical, CO<sub>2</sub>, water or spray fog.

**Grounding:** When transferring, fill stem and container must be grounded and bonded.

**CONSULT MSDS PRIOR TO HANDLING.**

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## *Precautions*

Supplied air respirators are recommended for long term exposure. Production equipment must be cleaned daily to prevent build up and fouling from hardened coating. Only mix as much material as will be used in any eight hour shift. If used over uncatalyzed base coats, lifting may occur when applying a second coat the following day or when doing touch up.

## *Safety*

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Keep away from heat, sparks, and flames.

**USE WITH ADEQUATE VENTILATION.**

Avoid prolonged or repeated contact with skin. Avoid prolonged breathing of vapor or spray mist. Do not take internally. **KEEP**

**OUT OF THE REACH OF CHILDREN.**

Before smoking or eating and after using, cleanse hands thoroughly. Keep container closed when not in use.

**Effects of Overexposure:**

Prolonged use may cause mild irritation to eyes.

**Skin Contact:**

Can cause irritation, may be absorbed through the skin and cause defatting.

**Inhalation:**

May cause respiratory irritation, dizziness and drowsiness.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

