

Technical Information

Product Codes: CV-0215 Gloss (50-55)
CV-0214 Semi-Gloss (40-50)
CV-0213 Satin (30-35)
CV-0212 Dull Satin (20-25)
CV-0211 Flat (5-10)

Catalyst: CA-0210 (Mixed Ratio 10:1)

Description: 2 Component Clear Conversion Varnish

- Characteristics:**
- A 2-component water white, clear conversion varnish developed from advanced European resin technology.
 - Superior resistance to abrasion, water, staining, household chemicals and body oils.
 - Special resins with ultra violet light absorbers to resist yellowing upon aging.
 - Self-sealing, "Multi-coat" technology eliminates the need for a separate sealer product.

Field of Application: Wood surfaces, kitchen cabinets, restaurant and store fixtures, furniture and fine architectural woodwork.

Physical Properties (CV-021X)

Weight per gallon	7.83 lb/gal
Viscosity after Catalyzation	20-22 sec. Zahn #2 sig @77°F
% Solids – by Weight	36 %
% Solids – by Volume	29 %
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 @ 60°	Gloss = 50 to 55 Semi-Gloss = 40 to 50 Satin = 30 to 35 Dull Satin = 20 to 25 Flat = 5 to 10
VOC	4.9 lb/gal or 582 g/L
HAPS	.14062 lbs of HAPS/lbs of solids
Pot Life	24 Hours @ 68°F Mix only enough material for a maximum of 24 hours to optimize Product performance.

EuroVar Conversion Varnish CV-021X

Surface Preparation

New Work	Sand raw wood with 120-180 grit sandpaper and remove dust. Sand between coats with 220-320 grit.
Stain Precautions	Avoid oily, mineral spirits based stains. Avoid shading with stain only.
Sealer Recommendations	This product can be used as a self-sealer. (Do not use Flat as a sealer, only as a finish coat) Sealer that can also be used according to the desired surface and substrate requirements is CL-0770. Consult your representative for more information.

Mixing Instructions

Catalyzation	By volume, add 12.8 oz. of CA-0210 to 1 gal. of CV-021X. Mix product while adding catalyst.
Reduction	5-20% with N-9182(THN802) or N Butyl Acetate
Retarder	3-5% EEP Retarder Solvent

Application Method & Notes

General Guidelines	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: .066 Pressure: 35-45 PSI
Airless Spraying:	Tip size .009- .013 Spray pressure: 1450-2175 PSI
Airless, Air-Assisted / Air mix spraying:	Tip size: .009 - .013 Material pressure: 550-650 PSI Assist air pressure: 15-20 PSI
Recoat ability	Sandable and recoatable after 1 hour at 68°F. Use Scotch-Brite [®] or 220-320 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	2-5 mils Maximum = 5 mils
Maximum Dry Film Thickness	Maximum film build of the total system should not exceed 4 mils dry, 15 mils wet.

Clean Up

Lacquer Thinner, Acetone, Ketone solvents, MEK

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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:	8-10 min. @ 68°F
Touchable:	15 -20 min. @ 68°F
Sandable and Recoatable:	After 1 hour @ 68°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:	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.

“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.