

Product Information

ChemVinyl – 546-8002

PRODUCT DESCRIPTION

ChemVinyl 546-8002 is a ready to use vinyl sanding sealer with good clarity and moisture resistance. It is a quick drying product with excellent sanding properties and is to be used where excellent adhesion is important. This product is recommended for sealing kitchen cabinets, vanities as well as many other interior wood applications where adhesion or moisture may be a concern.

FEATURES

ChemVinyl 546-8002 provides a very good moisture barrier. It provides excellent adhesion to most wood species, as well as to topcoats.

ChemVinyl 546-8002 is used for sealing wooden furniture and other wood surfaces for interior use only. It can be used on all wood types and after drying and sanding, may be overcoated with acid curing systems such as Danspeed® 432-XXXX and 424-XXXX, Plastofix® 421-XXXX, ChemVinyl 546-8002 may also be overcoated with precatalyzed materials such as Opticlear 431-8XXX or Chemcab 431-6XXX.

SPECIFICATION VALUES

Gloss:	N/A
Flash Point:	-20°C (-4°F)
Specific Gravity:	0.89
Weight per Gallon:	7.39
Solids by Weight:	18.0%
Solids by Volume:	11.8%
Fire Hazard Class:	4
Health Hazard Class:	2
Viscosity at 25°C/77°F:	17" Z#2
VOC:	670 g/l (5.59 lb/gal)
Lbs. VOC/gallon:	2.83 lb/gal
Lbs. VOC/Lb. Solid:	2.14
Lbs. VHAPs/Lb. Solid:	0.00

If additional reducers or additives are used, compliance values must be recalculated.

SPECIFICATION INFORMATION

Shelf Life: Twelve months recommended if unopened and stored between 15°C - 25°C (59°F-77°F). Always rotate stock.

Pot Life: N/A

Coverage: Coverage is 200 sq ft/gal at 1 mil dry and at 100% transfer efficiency. Coverage will vary depending on method of application or coating thickness.

Mixing Ratio: n/a

Reduction: Reduction is not required but Reducer 803-1325 may be used to maintain viscosity. At very high air humidity, the lacquer surface can appear white due to premature evaporation. This can be improved by adding approximately 5% Retarder 800-5328.

DIRECTIONS FOR USE

Surface Preparation: Substrate must be sanded using 120,150 or 180 grit steared paper prior to staining or coating. Stain systems used under acid catalyzed systems should be acid stable. Chemcraft® recommends using, 825-70XX Easywipe stains or 891-73XX N.G.R. stains.

Directions for Use: Apply at 3-5 wet mils on sanded substrate. Maximum film build of ChemVinyl is not to exceed 2 mil dry. Allow 45 minutes to one hour to dry at a minimum of 20°C (68°F) prior to topcoating.

Sand with 280/320 grit paper before topcoating and ensure topcoat is applied the same day the sanding is done.

Always mix ChemVinyl while adding reducers in the recommended mixing ratios. ChemVinyl must be thoroughly agitated at all times to ensure product consistency.

The customer is responsible for following the recommended application procedures. Failure to adhere to the recommendations given in this technical data sheet will likely result in unsatisfactory film appearance or film failure.

The completed coating system should be checked for required properties prior to start-up of production.

APPLICATION

Method of Application:	Viscosity	Wet Film	Dry Film
Spray - Conventional	Z #2/17-18"	3-5 mils	0.3-0.6 mils
- Airless	Z #2/17-18"	3-5 mils	0.3-0.6 mils
- HVLP	Z #2/17-18"	3-5 mils	0.3-0.6 mils

All measurements recommended are based on results at temperatures of 20°C (68°F). Viscosity will vary depending on the temperature of the liquid.

Drying Times:

At 20°C (68°F)	(Minimum Required)	At 50°C (122°F)	(Minimum Required)
Tack Free:	10-15 minutes	Tack Free:	Flash off before entering oven
Dry to Sand:	30 minutes	Dry to Sand:	15-20 minutes
Dry to Stack:	45 minutes	Dry to Stack:	30 minutes

Note: Dry times are greatly affected by film build, porosity of substrate, air movement as well as heat and humidity. Temperatures are based on actual board temperature. This may vary depending on length of time for boards to reach these temperatures. Minimum curing temperatures of 18°C/64°F must be maintained throughout the curing cycle to achieve the film integrity as stated in product features.

Clean-Up: Use 803-1298.

Chemcraft International Inc. views safety as a top priority. Please refer to Material Safety Data Sheet for information on the safe use of this product.

Revised: October 18, 2002

Values shown are calculated estimates and should not be construed as product specifications. We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and users assume all responsibility and liability for loss or damage arising from the use of our products whether used alone or a combination with other products. Use of unapproved or reclaimed solvent blends may reduce film properties and is not recommended.