



Tintable Vinyl Acrylic Primer

VAP-CT Primer

This tintable vinyl acrylic primer provides superior gloss and color hold out properties when applied to properly prepared metal surfaces.

VAP-CT is a cost competitive lacquer primer, providing fast dry time turnaround. With its low film build requirements and one-component system, this primer is easy to use.

Features and Benefits:

- Fast drying for quick turnaround
- Enhances custom color tinting capabilities
- Is an easy 1-component, ready to spray primer

Associated Products:

- VAP-9xx Tintable Vinyl Acrylic Primer

Physical Constants: *All values are theoretical, depend on color and are Ready-to-Spray. Actual values could vary slightly due to manufacturing variability.*

	Tinted VAP
Weight per gallon (US)	8.11 – 9.21 lbs/gal
Percent solids (by weight)	26.8 – 38.2%
Percent solids (by volume)	16.0 – 19.3%
VOC	5.69 – 5.95 lbs/gal
HAPs	≤ 0.70 lbs/gal
Photo-chemically reactive	Yes
Flashpoint (VAP-CT only)	21°F (-6°C)

Directions for Use:

Substrate Preparation:

The surface to be coated must be sanded and must be free of all contamination (including dust, dirt, oil, grease, and oxidation). A chemical treatment (or conversion coating) will improve adhesion and performance properties of the finished coat. Variability can occur with substrates, preparation, application method or environment. We recommend that adhesion and system compatibility be checked prior to full application.

Metal	Direct to Substrate
Cold Rolled Steel	Very Good
Hot Rolled Steel	Very Good
Galvaneal	Not recommended
Galvanized	Not recommended
Aluminum	Very Good
Plastic / Fiberglass	Surface should be free of all contamination. Because of the variability of plastic/fiberglass substrates, coating performance should be confirmed on the actual plastic/fiberglass substrate being used.

Note: For acceptable compatibility between this primer and CPC topcoats please see the CPC Primer/Topcoat compatibility chart (CPCTB01).



VAP-CT Primer

Directions for Use (continued)

Mix Directions:



Mix Directions: Stir thoroughly before and occasionally during use.



Thinning: N/A

Blend Ratio: N/A



Pot Life @ 77°F (25°C): N/A

Spray Viscosity Range: #2 Zahn: 12 – 18 seconds

Shelf Life:
(each component - unopened) 4 years unopened

Application Equipment:



Conventional/Compliant
(with or without pressure pot): 1.4 – 1.8 mm needle/nozzle, 50 – 70 psi at the gun

HVLP (with or without
pressure pot): 1.3 – 1.6 mm needle/nozzle, 10 psi at cap or per manufacturer

Airless: No Recommendation

Air-Assisted Airless: No Recommendation

Brush or Roll: Not recommended

Electrostatic: Not recommended

Application:



Apply: Apply 1-2 wet coats with a 5-10 minute flash between coats.
Apply only when air product and surface temperatures are above 50°F (10°C)
and when surface temperature is at least 5°F (3°C) above the dewpoint.

Recommended
Wet Film Build: 2.6 – 3.0 mils

Recommended
Dry Film Build: 0.5 mil per coat

Square Foot Coverage
@ 1mil no loss: 258 – 308 sq. ft. varies by color

Dry Times:

Air Dry @ 77°F (25°C) 50% RH



To Touch: 10 – 15 minutes

To Handle: 1 hour*

To Recoat: 15 minutes – 4 days.
After 4 days primer should be mechanically abraded before
topcoating or recoating.

Force Dry @ 140°F (60°C): N/A

** Paint film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.*

VAP-CT Primer

Technical Data*

Performance Properties:

	Test	ASTM Method	Results
BONDERITE® 1000 VAP-CT No Topcoat	Pencil Hardness	D3363	F
	Conical Mandrel	D522	Pass
	Adhesion	D3359	5B
	Chip Resistance	D3170	9
	In Service Temperature Limit		180°F (82°C)

Chemical Resistance:

	Chemical	ASTM Method	Result
Bonderite 1000 VAP-CT No Topcoat	Toluene	D1308	Mild ring
	10% NaOH (Sodium Hydroxide)	D1308	Mild gloss loss, ring
	10% HCl (Hydrochloric acid)	D1308	Slight gloss loss
	10% H ₂ SO ₄ (Sulphuric acid)	D1308	Slight gloss loss
	Gasoline	D1308	Medium stain, lifting
	Isopropanol	D1308	Mild ring
	Water**	D1308	Pass

** Although resistant to intermittent exposure, this product is not recommended for immersion.

Weather Resistance:

	ASTM Method	Result	
System: Bonderite 1000 VAP-CT ALK-200	Salt Spray – 250 hours	B117	
	Corrosion Creep	D1654	5A
	Scribe Blisters	D714	8D, 6D
	Face Blisters	D714	None
	Humidity – 100 hours	D2247	
	5 Minute Recovery Adhesion	D3359	5B
	1 Hour Recovery Adhesion	D3359	5B
	24 Hour Recovery Adhesion	D3359	5B

All tests results assume proper cure and preparation of test substrates. Unless otherwise stated, all results were obtained spraying product direct to metal on *Bonderite 1000*.

* The application and performance property data above are believed to be reliable based on laboratory findings. It is for the buyer to satisfy itself on the suitability of the product for its particular use. Variation in environment, procedures of use, or extrapolation of data may cause unsatisfactory results.

Miscellaneous:

Not to be applied on zinc substrates.

VAP-CT Primer

Tintable Vinyl Acrylic Primer

Safety:



These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public.

Safe application of paints and coatings requires knowledge of equipment, materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness.

Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers.

Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.

PRECAUTIONARY INFORMATION

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

KEEP OUT OF THE REACH OF CHILDREN

MEDICAL RESPONSE

Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645-1320 and in MEXICO 01-800-00-21-400. Have label information available.



Safety Data Sheets (SDS) for the PPG products mentioned in this publication are available through www.ppgcommercialcoatings.com (Safety, SDS Search) or your PPG Distributor.

For additional information regarding this product, see the SDS and LABEL information.



PPG Industries
Commercial Coatings
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive, Unit #6
Mississauga, Ontario L5J 1K5
1-888-310-4762