

PROGRAMMED SYSTEM TECHNIQUE (PST) CLEARCOATS NORTH AMERICA

VC-221LV 2:1 CLEAR LV

Valorem VC-221LV 2:1 Clear LV clearcoat is a VOC compliant acrylic urethane clearcoat for use over Valorem Basecoat. VC-221LV 2:1 Clear LV offers excellent results in a wide variety of conditions with excellent gloss and easy detailing - making it an ideal choice for air dry environments at a 2.1 lb/gal VOC.

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	SAFETY CONSIDERATIONS Use suitable personal protection.
	SURFACE PREPARATION • Refinish Basecoat • Wait until the basecoat's indicated flash time before clear application • Existing Clearcoat • Thoroughly abraded with P1000 dry or a gray scuff pad
	 SURFACE CLEANING Use suitable surface cleaners and technique to ensure a clean surface
BY VOLUME	MIXINGMixStandard Mix2Parts Valorem VC-221LV 2:1 Clear LV1Part Valorem VH-221LV 2:1 Clear LV Hardener
> 1	EQUIPMENTSpray-Gun Set-UpApplication Air Pressure• 1.3 - 1.4 mm HVLP Gravity- HVLP - 10 psi (<0.7 bar) at cap maximum
	 APPLICATION 2 single wet coats Flash 5-10 minutes between coats
	DRYINGAt 70°F (21°C)At 120°F (49°C) (Ambient)• VC-221LV 2:1 Clear LV – Dust Free• 15 minutes- 5 minutes• VC-221LV 2:1 Clear LV – Dry to Handle• 1 to 1.5 hours- 25 minutes• VC-221LV 2:1 Clear LV – Dry to Polish• 1.5 to 2.5 hours- 30 minutes



RECOATABILITY

May be recoated with itself at any stage for up to 24 hours without sanding
 After 24 hours, the surface must be abraded before recoating

Read the complete TDS and the product Safety Data Sheet (SDS) for detailed product information



VC-221LV 2:1 CLEAR LV

TECHNICAL DATA SHEET (TDS) CLEARCOATS NORTH AMERICA Page 2 of 4

DESCRIPTION

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Valorem VC-221LV 2:1 Clear LV clearcoat is a VOC compliant acrylic urethane clearcoat for use over Valorem Basecoat. VC-221LV 2:1 Clear LV offers excellent results in a wide variety of conditions with excellent gloss and easy detailing - making it an ideal choice for air dry environments at a 2.1 lb/gal VOC.

 Valorem VH-221LV 2:1 Clear LV Hardener – Item #596192 (Gallon) Stock unopened or used products in approved closed containers with proper Store in moderate temperatures between 40°F - 95°F (5°C – 35°C). Avoid to temperature fluctuation. Optimum storage temperature is approximately 70°F (21 Refer to the Product Shelf Life Overview TDS or the current price list for the mod date shelf-life information. 	°C).
 SURFACE PREPARATION Refinish Basecoat Existing Clearcoat Existing Clearcoat Use suitable surface cleaners and technique to er clean surface 	fpad
MIXING Mix Standard Mix 2 Parts VC-221LV 2:1 Clear LV BY VOLUME 1 Part VH-221LV 2:1 Clear LV Hardener	
POT-LIFE WHEN MIXED At 70°F (21°C) Product Mix 45 Minutes • Valorem VC-221LV 2:1 Clearcoat LV 45 Minutes ✓ A shorter pot-life can be expected in higher temperatures	
VISCOSITY – READY TO SPRAY 14-16 Seconds • Measured with a DIN #4 viscosity cup at 70°F (21°C).	
SPRAY-GUN SET-UP Spray-Gun Set-UpApplication Air Pressure• 1.3 – 1.4 mm HVLP Gravity • 1.3 – 1.4 mm Compliant– HVLP – 10 psi (<0.7 bar) at cap maximu – Consult manufacturer specifications.	n.

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VC-221LV 2:1 CLEAR LV

TECHNICAL DATA SHEET (TDS) CLEARCOATS NORTH AMERICA Page 3 of 4

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APPLICATION

- Apply 2 single wet coats
- o Flash dry between coats



FLASH DRYING

Flash Between Coats at 70°F (21°C) 5 - 10 minutes.

Flash at 70°F (21°C) Before Force Drying 3 – 5 minutes.

Flash time is dependent on temperature and application



DRYING / CURING TIME

- VC-221LV 2:1 Clear LV Dust Free
 - VC-221LV 2:1 Clear LV Dry to Handle -
- At 70°F (21°C) 15 minutes
- At 120°F (49°C) (Ambient) 5 minutes _
 - 25 minutes
 - 1 to 1.5 hours
 - VC-221LV 2:1 Clear LV Dry to Polish 1.5 to 2.5 hours 30 minutes When baked, allow repair to cool down for approximately 1 hour before polishing 0



RECOATING

After a full drying cycle, may be recoated with itself for up to 24 hours without sanding After 24 hours, the surface must be abraded before recoating 0



FILM THICKNESS – USING SUITABLE APPLICATION

- 1 coat will achieve a thickness of 1.2-1.5 mils (30-38 µm)
- The minimum clearcoat film thickness to provide suitable protection and appearance • over basecoat is 2.4 mils (61µm)



THEORETICAL COVERAGE

- With the recommended application the theoretical coverage is ≈675 ft²/gallon (≈16.5 m²/liter) at a 1 mil thickness (25.4 µm)
- Actual coverage is dependent on many factors which may include the shape of the object, surface smoothness, application technique, and other application variables

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VOC / REGULATORY INFORMATION

Notice: Do not handle until the Safety Data Sheets have been read and understood. Regulations require that all employees be trained on Safety Data Sheets for all chemicals with which they come in contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist.

The VOC content of VC-221LV 2:1 Clear LV ready to use is ≤2.1 lb/gal (≤250 g/L) •





VC-221LV 2:1 CLEAR LV

TECHNICAL DATA SHEET (TDS) CLEARCOATS NORTH AMERICA Page 4 of 4

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FOR PROFESSIONAL USE WITH SUITABLE HSE EQUIPMENT

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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