



VB-04

LIQUIDMETAL™

VM4201

LIQUIDMETAL™ basecoat is part of the VIBRANCE COLLECTION® custom paint finishes line and is a specialized pigment designed to achieve a polished metalized final appearance.

It can be used as a stand-alone metalized finish, or as a ground color for other *Vibrance Collection* topcoats to create special effect finishes.

For use in National Rule areas only.

For procedures relating to custom and/or restoration work refer to PPG's Custom Restoration Guide available at ppgrefinish.com under Training.



Compatible Products and Systems

LiquidMetal basecoat is used in conjunction with the systems shown below:

- DELTRON® DBC 2000 Refinish System - Follow P-175 *Deltron* DBC recommendation for proper preparation and compatible primers.
- GLOBAL REFINISH SYSTEM® BC Refinish System - Follow EU02 *Global Refinish System* BC recommendation for proper preparation and compatible primers.

Note: Custom or exotic finishes are excluded from coverage under the PPG Paint Performance Guarantee.

Required Products

Product

VM4201

LiquidMetal Reduction

Reducer

DT1855

Compliant Reducer Slow

D8767

Slow Compliant Thinner 77 - 95°F (25 - 35°C)

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Surface Preparation



When working on custom finishes close attention to the details outlined for standard basecoat preparation, sanding, and cleaning is needed to achieve the optimum results.

Standard Preparation

- Follow standard basecoat preparations outlined in Product Information Bulletin P-175 (*Deltron* DBC) or EU02 (*Global Refinish System* BC) for recommendations for appropriate preparation.

Special Preparation

- For optimum appearance *LiquidMetal* basecoat must be used over a black substrate. Surfaces may include:
 - D9700 / DBC9700 Black Basecoat - when applying directly over black basecoat the basecoat should be thoroughly tacked and free of any surface defects. Defects should be de-nibbed with 1500 - 2000 grit.
 - Clearcoat DCC9300 Single Stage - *LiquidMetal* basecoat may be applied directly over cleared black basecoat or Acrylic Urethane single stage which has been allowed to dry 24 hours and finish sanded flat with P1000 - P1200 grit wet.

Settling may occur in shipping. Hand stir thoroughly before the addition of the solvent.

Usage Guidelines:

Use as a Metalized Finish

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Reduction	:	DT1855/D8767
1	:	3



Thoroughly hand stir after mixing.



Pot Life: Indefinite

- LiquidMetal* basecoat can be used as a silver ground coat for custom RADIANCE® II midcoat colors.
- Before applying a midcoat, allow the final coat of *LiquidMetal* basecoat to flash a minimum of 15 - 30 minutes.

Usage Guidelines for Taping



Do Not tape directly over *LiquidMetal* basecoat

If taping is required, apply 1 coat of DBC500 or D895 color blenders, allowing 30 - 40 minutes before taping.

Additives:

None

Air Pressure
And Gun Setup:



HVLP:	8 - 10 psi at the air cap
Compliant:	29 - 40 psi at the gun
Gun Setup:	1.1 - 1.3 mm or equivalent (Reduce fluid flow when using 1.3 tip)

Refer to spraygun manufacturer's recommendations for inlet air pressures.

Application:

Apply: Multiple light coats until a smooth, even "metal" like appearance is achieved.

Drying Times:

Between Coats: 5 - 10 minutes at 70°F (21°C)
(do not tack between coats or prior to clear)



Air Dry:

Tape Time: Tape should not be applied directly over *LiquidMetal*

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Drying Times Cont'd:



Dry to Clearcoat: 15 - 30 minutes at 70°F (21°C)

When clearing *LiquidMetal* basecoat allow the final coat to flash a minimum of 15 - 30 minutes, but no longer than 8 hours.

Should the project require more than 8 hours before clear is applied, DBC500 / D895 may be used over *LiquidMetal* basecoat. The DBC500 / D895 layer should then be sanded with P1000 - P1200 grit wet prior to graphics or clearcoat.

Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any approved PPG general purpose solvent.

Technical Data:

Volume Ratio:	1 : 3
Coating Category:	Multi-Stage Basecoat
RTS VOC Actual	6.00 lbs./ US Gal. (719 g/L)
RTS VOC Regulatory (Less Water, Less Exempts)	6.00 lbs./ US Gal. (719 g/L)
Solids wt. %	4.3
Solids vol. %	4.5
Sq. Ft. Coverage / US gal. (1 mil. at 100% transfer efficiency)	72
For detailed DBC technical data see P-175 For detailed BC technical data see EU02	

See Safety Data Sheet and Labels for additional safety information and handling instructions.



Important: The contents of this package must be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the public. Products mentioned may be hazardous and should only be used according to direction, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

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