



VB-09

LUMINESCENCE® II

VM4162 Viola Fantasy

VM4164 Arctic Fire

VM4165 Tropic Sunrise

VM4166 Lapis Sunlight

LUMINESCENCE® II special effects pigments are a part of the VIBRANCE COLLECTION® custom paint finish line and create a silky smooth, shimmering and shifting “color travel” effect in basecoat and tri-coat finishes.

Luminescence II pigments can be mixed with either DELTRON® DBC 2000 basecoat or DELTRON® NXT basecoat colors to create a wide range of dazzling basecoat and tri-coat custom finishes.

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

Luminescence II pigments are 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.
- DELTRON® NXT Refinish System - Follow P-251 *Deltron* NXT recommendation for proper preparation and compatible primers.
- DBC500 Color Blender - Follow P-176 *Deltron* DBC500 recommendations for proper preparation and compatible primers..
- VWM500 *Vibrance Collection* Custom Midcoat - Follow VB-22 recommendations for proper preparation and use.

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

Directions for Use

Surface Preparation



- When working on custom finishes close attention to details outlined for standard basecoat preparation, sanding, and cleaning is needed to achieve the optimum results.
- *Luminescence* II colors are designed to be applied over properly cleaned, sanded, and primed surfaces.
- For use over ENVIROBASE® High Performance EHP, use VWM500 Custom Midcoat (VB-22)

VM416x

Mixing Ratio:

(adding VM416x to a basecoat color or blender)

For a custom formulation you may add a maximum of 10% *Luminescence* II pigments to unreduced color or 5% to ready-to-spray mix of DBC, and DBC500 or up to 14% to unreduced VWM500.

Reducing:

(basecoat color or blender already containing VM416x)



Reduction of basecoat color or blender already containing VM416x

For detailed DBC reduction specifics see data sheet P-175**

For detailed NXT reduction specifics see data sheet P-251**

For detailed DBC500 reduction specifics see data sheet P176**

For detailed VWM500 reduction specifics see data sheet VB-22

DX57 activator **must be used in DBC or NXT colors containing *Luminescence* II pigment. When using *Luminescence* II tri-coat custom colors, DX57 activator **must** be used in both the ground coat and mid-coat colors.

Pot Life:

See specific product data sheet listed above



Using activated material beyond 1 hour may result in wrinkling or other product failures (especially on multiple colors).

Additives:



See specific product data sheet listed above

Air Pressure And Gun Setup:



HVLP: 8 - 10 psi at the air cap
Compliant: 29 - 40 psi at the gun
Gun Setup: 1.1 - 1.5 mm or equivalent

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

Application:



Apply: Sufficient number of coats to achieve desired effect. Spraying a test panel is recommended to determine desired effect.

Drying Times



Between Coats: See specific product data sheet listed above



Air Dry:

Tape Time: See specific product data sheet listed above



Dry to Clearcoat: See specific product data sheet listed above

Note: Basecoat colors are designed to dry low in gloss. This makes color match and its approval difficult to see until the clearcoat is applied. **A good technique is to spray the basecoat and clearcoat on a small test panel before spraying the job.**

If the basecoat color is allowed to dry more than 24 hours, it must be scuffed and new basecoat color applied.

Tri-Coat Mixing:

When mixing for a tri-coat applications, 5% DX57 Basecoat Activator (DBC, NXT) should be added to the reduced basecoat prior to spraying in **BOTH** the ground coat and mid coat.

Luminescence II toners can be blended as a mid-coat color with DBC500 Color Blender (DBC), or VWM500 Custom Midcoat. In doing so you can achieve more transparency, when combined with varying ground coat colors and create different degrees of custom effects. DBC500 or VWM500 can be used in any quantity necessary to achieve the desired effect.

VM416x

Striping or Two Toning

Tape Times:

Tape time of DBC and NXT is 30 - 60 minutes at 70°F (21°C) and 50% relative humidity.
Tape time of VWM500 is 45 - 60 minutes (additional coats may require longer dry time).

All striping, two toning must be completed within 24 hours. If allowed to dry for more than 24 hours, it must be sanded and reapplied.

When applying DBC or NXT basecoats, 5% DX57 Basecoat Activator **must** be added to the reduced basecoat prior to spraying in **BOTH** the ground coat and mid coat.

Clearcoating:

Clear *Luminescence* colors with any *Vibrance Collection* clearcoat or any clear recommended for *Deltron* DBC 2000 (see P-175), *Deltron* NXT (see P-251), or *Envirobase* High Performance EHP (see EB-143 for complete listing).

Equipment Cleaning:

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

Technical Data	<u>DBC</u>	<u>NXT</u>	<u>DBC500</u>
Package VOC Actual	5.20 - 6.16 lbs./gal (623 - 738 g/L)	4.87 - 6.14 lbs./gal (584 - 736 g/L)	5.52 - 5.71 lbs./gal (661 - 684 g/L)
Package VOC Regulatory (Less water, less exempts)	5.20 - 6.16 lbs./gal (623 - 738 g/L)	4.87 - 6.14 lbs./gal (584 - 736 g/L)	5.52 - 5.71 lbs./gal (661 - 684 g/L)
RTS Volume Ratio	1:1 + 5%	1:1 + 5%	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	5.80 - 6.60 lbs./gal (695 - 791 g/L)	6.02 - 6.54 lbs./gal (721 - 784 g/L)	6.28 - 6.38 lbs./gal (753 - 764 g/L)

	<u>VWM500</u>
Package VOC Actual	1.02 - 1.21 lbs./gal (122 - 145 g/L)
Package VOC Regulatory (Less water, less exempts)	2.56 - 3.04 lbs./gal (307 - 364 g/L)
RTS Volume Ratio	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	2.57 - 3.05 lbs./gal (308 - 365 g/L)

For detailed DBC recommendations and VOC specifics see data sheet P-175 For detailed NXT recommendations and VOC specifics see data sheet P-251	For detailed DBC500 recommendations and VOC specifics see data sheet P176 For detailed VWM500 recommendations and VOC specifics see data sheet VB-22
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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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