

Luminescence® II

VM4162 Viola Fantasy
VM4163 Autumn Mystery

VM4164 Arctic Fire
VM4165 Tropic Sunrise

Luminescence II pigments create a shimmering, “color travel” effect guaranteed to grab attention.

Luminescence II can be mixed with either *Deltron*® DBC or *Global BC* basecoat colors to create a wide range of dazzling basecoat and tri-coat custom finishes.

Compatible Systems

Luminescence II is used in conjunction with the systems shown below:

- DBC Refinish Systems—Follow P-175 *Deltron* DBC recommendations for proper preparation and compatible primers.
- BC Refinish Systems—Follow EU02 *Global BC* recommendations for proper preparation and compatible primers.
- DBC500 Color Blender—Follow P-176 DBC500 recommendations for proper preparation and compatible primers.
- D895 Color Blender—Follow EU113 *Global BC* recommendations for proper preparation and compatible primers.
- Reference the *Vibrance* Compatibility Chart (VB20) for compatible Clears and custom formulating.

Directions For Use

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.

Luminescence II colors are designed to be applied over properly cleaned, sanded and primed surfaces. See product bulletin P-175 (DBC) or EU02 (BC) for appropriate preparation.

Mixing Ratio:



DBC Reduction

*DBC Luminescence II	:	DT Reducers	+	**DX57
1	:	1	+	1.5 oz. per RTS quart



BC Reduction

*BC Luminescence II	:	D-Thinners	+	**D888
1	:	1	+	1.5 oz. per RTS quart

The Pot Life of this mixture is 2 hours at 70°F (21°C)

Additives:



For a custom formulation you may add a maximum of 10% *Luminescence II* to unreduced quarts of DBC, BC, DBC500 and D895. As concentrations of VM41xx pigments increase, the minimum film build of the clear becomes increasingly important. Please follow the instructions found in the clear section of this bulletin for recommended film builds.

DX57 or D888 activator **must be used in DBC or BC colors containing *Luminescence II*. When using *Luminescence II* tri-coat custom colors, DX57 or D888 activator **must** be used in both the ground coat and mid-coat colors.

Spraygun Set-up:



Apply:	Depends on application
Fluid Tip:	1.1–1.5 mm or equivalent
Air Pressure:	8–10 PSI at the cap for HVLP guns 35–45 PSI at the gun for conventional guns

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Drying Times:



Between Coats: 70°F (21°C)	5–10 minutes
Dry Time to Clearcoat: 70°F (21°C)	15 minutes 4 hours maximum
Tape Time: 70°F (21°C)	30–60 minutes with DX57

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*.

Striping or Two-Toning: Tape time of DBC and BC is 30–60 minutes at 70°F (21°C) and 50% relative humidity. All striping, two-toning must be completed within 24 hours. If allowed to dry for more than 24 hours, the DBC and BC colors must be sanded and reapplied. Avoid thick films of basecoat.

Tri-Coat Mixing: 5% DX57 or D888 Basecoat Activator must be added to the reduced basecoat prior to spraying in BOTH the ground coat and mid-coat.
Luminescence II can be blended as a mid-coat color with DBC500 Color Blender. In doing so you can achieve more transparency, when combined with varying ground coat colors, and create different degrees of custom effects. DBC500 can be used in any quantity necessary to achieve the desired effect.

Clearcoating:

Clear with any Deltron clear or any clear recommended for DBC (see the Compatible Clearcoats section of P-175 for a complete listing).

Technical

With DX57 or D888

Data:

Package* VOC Actual	4.68–5.54 lbs/gal (561–664 g/l)
Package* VOC Regulatory (Less Water Less Exempts)	4.68–5.54 lbs/gal (561–664 g/l)
1:1 RTS VOC Regulatory (Less Water Less Exempts)	5.41–6.13 lbs/gal (648–735 g/l)
1:1.5 RTS VOC Regulatory (Less Water Less Exempts)	5.77–6.54 lbs/gal (691–784 g/l)
Total Solids by Volume (RTS)	10–15%
Sq. Ft. Coverage / US Gal (RTS)	160–241
Dry Film Build Per Coat	0.3–0.5 mils
Wet Film Build Per Coat	1.0–2.0 mils

*Package is Luminescence VM416X + DBC, BC, DBC500 or D895

Important:



WARNING: Dust and Vapor irritates eyes, nose, and throat and may be harmful if inhaled. High concentrations of airborne dust may ignite explosively.



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.

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

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

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