

DMX RADIANCE® II Dyes

DMX210 Yellow

DMX211 Orange

DMX212 Red (Yellow Shade)

DMX213 Red (Blue Shade)

DMX214 Red Violet

DMX215 Violet

DMX216 Blue (Green Shade)

DMX217 Green

DMX218 Brown

DMX219 Black

DMX220 Blue (Red Shade)

DMX RADIANCE® II candy colors are a part of the VIBRANCE COLLECTION® custom paint line and provide a rich array of tri-stage finishes created from toners and dyes to achieve a deep rich “candy” appearance. *Radiance* II dye basecoats and midcoats must be clearcoated.

Radiance 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

DMX *Radiance* II dyes 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 Basecoat 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.
- DMX *Radiance* 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)
- *Radiance* dyes cannot be used individually as a topcoat.
- Insoluble material may settle out over time. **Do not shake before using** - strain through fine filter (150 mesh) before adding DMX to color - weigh accurately. Hand stir thoroughly before the addition of the solvent.

DMX2xx

Mixing Ratio:
(adding DMX2xx to a basecoat color or blender)

For a custom formulation you may add a maximum of 10% by weight of *Radiance* dyes to unreduced color or 5% to ready-to-spray mix of DBC, NXT, DBC500, or VWM500.

Reducing:
(basecoat color or blender already containing DMX2xx)



Reduction of basecoat color or blender already containing DMX2xx
For detailed *Deltron* DBC 2000 reduction specifics see data sheet P-175**
For detailed *Deltron* 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, DBC500, or NXT colors containing *Radiance* dye. When using *Radiance* basecoat colors, DX57 activator **must** be used in both the ground coat and mid-coat colors.

Note: Agitate after reduction and strain with a fine strainer.

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: 1.3 - 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.

- Notes:**
- For optimum appearance and application, add no more than 5% DMX dye to RTS color.
 - A consistent spray pattern is crucial to prevent striping from occurring.
 - Apply light even coats, walking the side of the object being painted from end to end, being careful not to follow the body lines.
 - Do not overlap or panel paint large objects such as sides of a car or dark areas may result.
 - It is recommended to spray a test panel first prior to spraying actual job.

DMX2xx

Drying Times



Between Coats:

See specific product data sheet listed above
(Do not tack between coats or prior to clear)



Air Dry:

Tape Time:

See specific product data sheet listed above



Dry to Clearcoat:

See specific product data sheet listed above

If clearcoat is not going to be applied within 24 hours, apply 2 coats of DBC500 or VWM500 over the last coat of the basecoat / midcoat. If the last coat of DBC500 or VWM500 is allowed to dry over 8 hours, lightly sand or scuff before recoating.

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.

Radiance dyes can be blended as a mid-coat color with DBC500 Color Blender (DBC, NXT), 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.

Clearcoating:

Clear *Radiance* colors with any *Vibrance Collection* clearcoat or any clear recommended for *Deltron* DBC (see P-175 for complete listing), *Deltron* NXT (see P-251 for complete listing), 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>
Package VOC Actual	5.20 - 6.16 lbs./gal (623 - 738 g/L)	4.87 - 6.14 lbs./gal (584 - 736 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)
RTS Volume Ratio	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)
	<u>VWM500</u>	<u>DBC500</u>
Package VOC Actual	1.24 - 1.27 lbs./gal (149 - 152 g/L)	5.74 - 5.77 lbs./gal (687 - 690 g/L)
Package VOC Regulatory (Less water, less exempts)	3.12 - 3.19 lbs./gal (374 - 382 g/L)	5.74 - 5.77 lbs./gal (687 - 690 g/L)
RTS Volume Ratio	1:1 + 5%	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	3.13 - 3.19 lbs./gal (375 - 382 g/L)	6.39 - 6.41 lbs./gal (765 - 768 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 VWM500 recommendations and VOC specifics see data sheet VB-22
For detailed DBC500 recommendations and VOC specifics see data sheet P176

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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