

CRYSTAL PEARL™

PRLX1 CRYSTAL PEARL™ - Red

PRLX2 *Crystal Pearl*- Silver

PRLX3 *Crystal Pearl*- Gold

PRLX4 *Crystal Pearl*- Blue

PRLX5 *Crystal Pearl*- Green

PRLX6 *Crystal Pearl*- Frost Red

PRLX7 *Crystal Pearl*- Copper

PRLX8 *Crystal Pearl*- Turquoise

PRLX9 *Crystal Pearl*- Amethyst Dream

Crystal Pearl mica pigments are a dazzling selection of special effect pigments that create brilliant three-dimensional, glimmering effects.

Users have the flexibility to intermix these unique pigments with existing basecoat color or use them as a mid-coat to create one-of-a kind colors.

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

Crystal Pearl mica can be used in conjunction with the systems and products 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.
- VWM5556 VIBRANCE COLLECTION® Waterborne Midcoat - Follow VB-15 recommendations for proper preparation and use.
- 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.
- *Crystal Pearl* colors are designed to applied over properly cleaned, sanded and primed surfaces.

PRLXx

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



For a custom formulation you may add a maximum of 12% *Crystal Pearl* pigments to un-reduced DBC, NXT, DBC500, VWM500 or VWM5556.

Reducing:
(basecoat color or
blender already
containing PRLXx)



Reduction of basecoat color or blender already containing PRLXx

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 VWM5556 reduction specifics see data sheet VB-15

For detailed VWM500 reduction specifics see data sheet VB-22

DX57 activators **must be used in *Deltron* DBC or NXT colors containing *Crystal Pearl* mica. When using *Crystal Pearl* tri-coat custom colors, DX57 activator **must** be used in both the ground coat and midcoat 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: 1.2 - 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
24 hour maximum to clear coat

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.

PRLXx**Tri-Coat Mixing:**

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

Crystal Pearl pigments can be blended as a mid-coat color with DBC500, VWM5556 Waterborne Midcoat, VWM500 Custom Midcoat. In doing so you achieve more transparency, when combined with varying ground coat colors and create different degrees of custom effects.

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 VWM5556 is 30 - 35 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:

Due to the particle size of the *Crystal Pearl* you **must** apply 2.5 - 3.0 mils of clear (usually 2 - 4 coats) to cover the basecoat.

Clear with any *Vibrance Collection* clearcoat or any clearcoat recommended for *Deltron* DBC, *Deltron* NXT or *Envirobase* High Performance .

Equipment Cleaning:

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

Styling Tips

It is recommended that a complete spray out panel (including clearcoat) is created for each color combination to verify what the final appearance will be.

Technical Data:

	<u>DBC</u>	<u>NXT</u>	<u>DBC500</u>
Package VOC Actual	4.90 - 6.16 lbs./gal (587 - 738 g/L)	5.91-6.42 lbs./gal	5.23 - 5.62 lbs./gal (627 - 673 g/L)
Package VOC Regulatory (Less water, less exempts)	4.90 - 6.16 lbs./gal (587 - 738 g/L)	5.91-6.42 lbs./gal	5.23 - 5.62 lbs./gal (627 - 673 g/L)
RTS Volume Ratio	1:1 + 5%	1:1 + 5%	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	5.51 - 6.20 lbs./gal (660 - 743 g/L)	5.91-6.42 lbs./gal	5.88 - 6.49 lbs./gal (705 - 778 g/L)
	<u>VWM500</u>	<u>VWM5556</u>	
Package VOC Actual	1.52 - 1.64 lbs./gal (182 - 197 g/L)	0.37 - 0.61 lbs./gal (44 - 73 g/L)	
Package VOC Regulatory (Less water, less exempts)	3.40 - 3.66 lbs./gal (408 - 439 g/L)	1.62 - 1.77 lbs./gal (194 - 212 g/L)	
RTS Volume Ratio	1:1 + 5%	4:1	
RTS VOC Regulatory (Less water, less exempts)	5.51 - 5.88 lbs./gal (661 - 705 g/L)	2.13 - 2.31 lbs./gal (255 - 277 g/L)	

For detailed DBC VOC specifics see data sheet P-175
For detailed NXT VOC specifics see data sheet P-251
For detailed DBC500 VOC specifics see data sheet P176

For detailed VWM5556 VOC specifics see data sheet VB-15
For detailed VWM500 VOC specifics see data sheet VB-22

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Technical Data:

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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