VIBRANCE COLLECTION™
A PPG BRAND

VB-02

Crystal Pearls™

PRLX1 Crystal Red Pearl
PRLX2 Crystal Silver Pearl
PRLX3 Crystal Gold Pearl
PRLX4 Crystal Blue Pearl
PRLX5 Green
PRLX6 Frost Red
PRLX7 Copper
PRLX8 Turquoise
PRLX9 Amethyst Dream

Liquid Crystal™

VM4101 Emerald
VM4102 Emberglo
VM4103 Caspian
VM4104 Glacier
VM4108 Diamonds

Crystal Pearl and *Liquid Crystal* are unique selections of clear and color shifting crystal particles that greatly enhance basecoat color with a crisp and vivid sparkle effect.

Users have the flexibility to intermix these unique pigments with existing color or use them as a mid-coat to create one-of-a-kind colors. Assortments of pre-crafted colors are also available to choose from.



Compatible Surfaces

Liquid Crystal is used in conjunction with the systems shown below:

- DBC Refinish Systems—Follow P-175 *Deltron*® DBC recommendations for proper preparation and compatible primers.
- *Global* BC Refinish Systems—Follow EU02 *Global* BC recommendations for proper preparation and compatible primers.
- Reference the *Vibrance* Compatibility Chart (VB20) for compatible clears and custom formulating.

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

Product Information Effective 4/07

Crystal Pearls & Liquid Crystal

Directions For Use

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.



Crystal Pearl and *Liquid Crystal* colors are designed to be applied over properly cleaned, sanded and primed surfaces. See the Compatible Surfaces section of Product Information Bulletin P-175 (DBC) or EU02 (*Global* BC) for an appropriate primer or sealer recommendation.



Mixed color must be mechanically shaken for 15–30 minutes to ensure pigments are properly dispersed.

Usage Guidelines:

Standard Mix as a Basecoat



DBC Reduction				BC Reduction			
DBC	:	**DT Reducer**	or	**BC**	:	**D-Thinners**	
1		1		1		1	

Note: Reduced *Liquid Crystal* also must be mechanically shaken for an additional 15–30 minutes.

Reduced *Liquid Crystal* must be used within 24 hours or a color shift could occur.

Tri-coat mixing

When mixing for tri-coat applications, 5% DX57 Basecoat Activator (DBC) or D888 Basecoat Activator (BC) must be added to the reduced basecoat prior to spraying in both the groundcoat and midcoat to maintain VOC compliance and improve performance.

Mechanically agitate after all reductions.

Pot life is 1 hour at 70°F (21°C) when adding DX 57 or D888. *Using material beyond 1 hour may result in wrinkling or other product failures (especially on multiple colors).*

Apply:

Basecoat
Apply 2–3 medium coats or until hiding is achieved.

Midcoat
Apply 2–4 medium coats to achieve the desired custom effect.

Additives:



No additional additives should be used.

Spraygun Set-up:



Fluid Tip: 1.3–1.5 mm or equivalent

Air Pressure: 8–10 PSI at the cap for HVLP guns

35–45 PSI at the gun for conventional guns

Directions For Use

Drying Times:



Between Coats:	
70°F (21°C)	5–10 minutes (Do not tack between coats or prior to clear)
Tape Time:	
70°F (21°C)	30–40 minutes (30–60 when using DX57 or D888)
Dry Time to Clearcoat: *70°F (21°C)*	If clear is not going to be applied within 8 hours, apply 2 coats of DBC500 or D895 over the last coat of the basecoat / midcoat. If the last coat of DBC500 or D895 is allowed to dry over 8 hours, lightly sand or scuff before recoating.

Clearcoating:

Reference the *Vibrance* Compatibility Chart (VB20) for compatible clears and custom formulating.

Technical Data:

	STD Reduction	With DX57 or D888
Package VOC Actual	5.2–6.16 lbs/gal (623–738 g/l)	5.2–6.16 lbs/gal (623–738 g/l)
Package VOC Regulatory (Less Water Less Exempts)	5.2–6.16 lbs/gal (623–738 g/l)	5.2–6.16 lbs/gal (623–738 g/l)
1:1 RTS VOC Regulatory (Less Water Less Exempts)	5.9–6.6 lbs/gal (707–791 g/l)	5.7–6.36 lbs/gal (683–762 g/l)

Crystal Pearls & Liquid Crystal

Directions For Use

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.

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

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 directions, 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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World Leaders In Automotive Finishes

PPG Industries
19699 Progress Drive
Strongsville, OH 44149
(800) 647-6050

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
(888) 310-4762

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