



VB-06

HARLEQUIN® / *Harlequin* Essence

VM4987 Cyan to Purple
VM4988 Silver to Green
VM4989 Green to Purple
VM4990 Blue to Red

VM4991 Magenta to Gold
VM4994 Gold to Silver
VM4995 Red to Gold

HARLEQUIN® color-shifting pigments are part of the VIBRANCE COLLECTION® custom paint finish line. They are a series of exotic, special finishes showcasing some of the wildest color effects imaginable.

Harlequin Essence combines *Harlequin* pigments with DELTRON® 2000 basecoat and DELTRON® NXT toners to create a more subtle yet unique color transition.

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

Harlequin 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.
- *Harlequin*/*Harlequin* Essence 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)
- Hand stir thoroughly before the addition of solvent. Settling may occur in shipping.

VM49xx**Mixing Ratio:**

(adding VM49xx to a
basecoat color or
blender)

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

Reducing:

(basecoat color or
blender already
containing VM49xx)

**Reduction of basecoat color or blender already containing VM49xx**

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 *Harlequin* pigment. When using *Harlequin* 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 - 1.3 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

After 24 hours basecoat must be sanded and additional color applied.

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.

VM49xx

Tri-Coat Mixing

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

Harlequin toner can be blended as a mid-coat color with DBC500 Color Blender (DBC, NXT), or with 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:

Clearcoat *Harlequin/Harlequin* Essence 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	DBC	NXT
Package VOC Actual	4.86 - 6.16 lbs./gal (582 - 738 g/L)	5.91 - 6.42 lbs./gal (708 - 769 g/L)
Package VOC Regulatory (Less water, less exempts)	4.86 - 6.16 lbs./gal (582 - 738 g/L)	5.91 - 6.42 lbs./gal (708 - 769 g/L)
RTS Volume Ratio	1:1 + 5%	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	5.49 - 6.20 lbs./gal (658 - 743 g/L)	6.02 - 6.54 lbs./gal (721 - 784 g/L)
	DBC500	VWM500
Package VOC Actual	5.20 - 5.62 lbs./gal (623 - 673 g/L)	1.52 - 1.55 lbs./gal (182 - 189 g/L)
Package VOC Regulatory (Less water, less exempts)	5.20 - 5.62 lbs./gal (623 - 673 g/L)	3.33 - 3.66 lbs./gal (400 - 439 g/L)
RTS Volume Ratio	1:1 + 5%	1:1 + 5%
RTS VOC Regulatory (Less water, less exempts)	5.87 - 6.49 lbs./gal (704 - 778 g/L)	5.50 - 5.88 lbs./gal (659 - 705 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	

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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