



VB-13

Vibrance Collection Midcoat

VWM5555

VWM5555 is an innovative midcoat for the *Vibrance Collection*® line. VWM5555 creates a midcoat layer over the basecoat and allows painters to use *Vibrance Collection* special effect pigments such as *Radiance*® II dyes, *Flamboyance*®, *Prizmatique*®, *Liquid Crystals* and *Ditzler*® Big Flake™ over waterborne or solventborne bases.

VWM5555 must be clearcoated with a refinish clear product and may not be used as a clearcoat on its own.

VWM5555 is fast-drying and easy to use, and an essential tool for having full range, VOC-compliant capability in creating show-stopping, eye-catching custom finishes.



Compatible Surfaces

VWM5555 can be used with the systems shown below:

- *Envirobase*® High Performance—Follow EU143 *Envirobase HP* recommendations for proper preparation and compatible primers.
- *Global BC Refinish Systems*—Follow EU02 *Global BC* recommendations for proper preparation and compatible primers.
- *DBC Deltron*® 2000 Basecoat—Follow P-175 *Deltron DBC* recommendations for proper preparation and compatible primers.
- Reference the *Vibrance Compatibility Chart (VB20)* for compatibility and custom formulating.

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



VWM5555

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.



When applying a color coat, make sure the ground coat has sufficiently flashed.

PPG color coats are designed to be applied over properly cleaned, sanded and primed surfaces. See the Compatible Surfaces section of Product Information Bulletin P-175 (DBC), EU02 (BC), EU143 (EHP) for an appropriate primer or sealer recommendation.

Hardener Selection:

| | |
|---------|--|
| DCH3620 | Medium Temperature (75° - 95°F / 24° - 35°C) |
| DCH3630 | High Temperature (95° F & above / 35°C & above) |
| DCH3640 | Ultra High Temp Hardener LV (95° F & above / 35°C & above) |

Mixing Ratio:



Tinted VWM5555 : **DCH36XX**

4 : 1

Apply medium wet coats until desired color or effect is achieved.



A maximum of 4 coats. If more desired, allow to air dry 16 hours and then apply more coats to desired color.

Allow 15–30 minutes dry time at 70°F (21°C) before clearcoating with appropriate PPG Clears.

Caution: In all cases avoid high film builds of basecoats.

Pot Life: 2–3 hours at 70°F

Additives:



None

Spraygun Set-up:



Fluid Tip:: 1.3–1.5 mm or equivalent

HVLP: 10 psi at the air gap
Conventional: 45–55 psi at the gun

Film Build Per Wet Coat: 1.4–2.0 mils

Film Build Per Dried Coat: .7–1.0 mils

Drying Times:



Between Coats: 5–7 minutes
70°F (21°C)

Dust Free: 60 minutes
70°F (21°C)



Tack Free: 2 hours
70°F (21°C)

Tape Time: 12–16 hours
70°F (21°C)
To reduce the tape time, force dry 20 min. at 140°F at substrate temperature.

Air Dry Time to Clearcoat: 15–30 minutes at 70° (21°C)
70°F (21°C)
After 24 hours midcoat must be sanded and additional coats applied.



Repair and Recoat: Repair or Recoat after force dry and cooling cycle or 12–16 hours air dry 70° (21°C).
70°F (21°C)
VWM5555 must be sanded before recoating with primer, color or clear..

Directions For Use

Color Coating:

VWM5555 colors must be clearcoated with any compatible *Vibrance*, *Deltron*® or *Global* clearcoat (see appropriate clearcoat product sheet for waterborne basecoat compatibility).

Due to VOC compliance, when tinting VWM5555 with *Radiance*® II dyes, the maximum amount that can be added is 20% (by weight). See the information in the next section for technical details when using DMX dyes.

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

Technical Data:

| | | |
|--|---|-------------------------------------|
| FilmBuild Per Wet Coat: | 1.4–2.0 mils | |
| Dried Film Build Per Coat: | .7–1.0 mils | |
| | With Dry Powders/Mica VWM5555 (with powder): | With 20% DMX VWM5555 (with dye): |
| RTS Combinations: | DCH36xx | DCH36xx |
| Volume Ratio: | 4:1 | 4:1 |
| Applicable Use Category | Color Coating | Color Coating |
| VOC Actual (g/L) | 195 | 290 |
| VOC Actual (lbs/gal) | 1.63 | 2.42 |
| VOC Regulatory (less water less exempt) (g/L) | 304 | 410 |
| VOC Regulator (less water less exempt) (lbs/gal) | 2.54 | 3.42 |
| Density (g/L) | 1059 | 1035 |
| Density (lbs/gal) | 8.83 | 8.63 |
| Volatiles wt. % | 55.8 | 59.5 |
| Water wt. % | 0.0 | 0.0 |
| Exempt wt. % | 37.2 | 31.4 |
| Water vol. % | 0.0 | 0.0 |
| Exempt vol. % | 36.7 | 29.2 |
| Solids vol. % | 41.4 | 36.8 |
| Sq Ft. Coverage/U.S. gal. (1 mil. @ 100% transfer efficiency) | 664 | 592 |

Mixing on Scale:

Use the table below to mix tinted VWM5555 on a scale using **PARTS**. The amounts shown are for each component.

| Product | Ratio | 4 oz. | 8 oz. | 12 oz. | 16 oz. | 22 oz. | 26 oz. |
|---------|-------|-------|-------|--------|--------|--------|--------|
| VWM5555 | 4 | 110.1 | 220.2 | 330.4 | 440.4 | 605.6 | 715.8 |
| DCH36XX | 1 | 31.1 | 62.2 | 93.3 | 124.4 | 171.1 | 202.0 |

Use the table below to mix tinted VWM5555 on a scale using **GRAMS**. The amounts shown are for each component.

| Product | Ratio | 4 oz. | 8 oz. | 12 oz. | 16 oz. | 22 oz. | 26 oz. |
|---------|-------|-------|-------|--------|--------|--------|--------|
| VWM5555 | 4 | 97.7 | 195.5 | 293.3 | 390.9 | 537.6 | 635.4 |
| DCH36XX | 1 | 27.6 | 55.2 | 82.8 | 110.4 | 151.9 | 179.3 |

VWM5555

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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