

VIBRANCE COLLECTION® Midcoat

VWM5555

VWM5555 is an innovative midcoat for the VIBRANCE COLLECTION® custom line. VWM5555 creates a midcoat layer over the basecoat and allows painters to use *Vibrance Collection* special effect pigments such as RADIANCE® II dyes, CRYSTAL PEARL, FLAMBOYANCE®, PRIZMATIQUE®, LUMINESCIENCE®, LIQUID CRYSTAL, CRYSTALLANCE™, and DITZLER® BIG FLAKE™ over waterborne basecoat. VWM5555 is designed for spraying custom finishes on larger surface areas where appropriate flash times can be allowed for layered finishes.

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

VWM5555 allows for easy application of candy finishes using *Radiance* II dyes, and is an essential tool for having full range, VOC-compliant capability in creating show-stopping, eye-catching custom finishes.



Compatible Products and Systems

VWM5555 can be used with the systems shown below:

- ENVIROBASE® High Performance (EHP) basecoat - Follow *Envirobase* High Performance EB143 recommendations for proper preparation and compatible primers.
- AQUABASE® Plus (AB+) basecoat - Follow *Aquabase* Plus P989 recommendations for proper preparation and compatible primers.

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

Required Products

Hardener

- DCH3610 Low Temperature - up to 90°F (32°C)
- DCH3620 Medium Temperature - over 90°F (32°C)

Directions For Use

Surface Preparation:



- When working on custom finishes, close attention to details, outlines 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 the Product Information Bulletin PDS N5.3.2 (AB+) or EB143 (EHP) for an appropriate primer or sealer recommendation.

Directions For Use

Mixing Ratio:



Tinted
VWM5555 : **DCH36xx**
Hardener
 4 : 1



Pot Life: 2-3 hours at 70°F (21°C) for standard mix

Additives:



For optimal application and appearance:

Dry Powders/Micas: up to 5% by weight to VWM5555 (before reduction)

Radiance II dyes: up to 3% by weight to VWM5555 (before reduction)

Application:



Apply: Apply medium wet coats until desired color or effect is achieved. No more than 4 coats are recommended. If more coats are desired, allow to air dry 16 hours and follow repair/recoat instructions to apply more coats.

Tip: When applying *Radiance II* dye containing VWM5555, ensure good spray techniques are utilized, such as walking the car, no panel to panel spraying, 75% overlap and properly adjusted spray gun pattern and atomization. It is also recommended to spray a test panel of larger surface area prior to spraying actual job.

Dry Film Build Per Coat: 0.7-1.0 mils

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

Air Pressure And Gun Setup:



HVLP: 10 psi at the air cap

Conventional: 45 - 55 psi at the gun

Gun Setup: 1.1 - 1.5 mm or equivalent*

*Smaller fluid tip is most effective when spraying *Radiance II* dyes and *Crystal Pearl* containing midcoat.

Drying Times



Between Coats: 5-7 minutes at 70°F (21°C)*

* Multiple coats will require longer flash times. Film should feel tacky before applying subsequent coats.



Air Dry:

Dust Free: 60 minutes at 70°F (21°C)

Tape Time: 12-16 hours at 70°F (21°C)

To Clearcoat: 60 minutes at 70°F (21°C) for less than 4 coats

4 hours at 70°F (21°C) for 4 coats with DCH3610

8 hours at 90°F (32°C) for 4 coats with DCH3620

Note: Surface should feel dry to touch before clearcoating with appropriate PPG clear.

Applying clearcoat prior to recommended dry time can result in distortion of the effect pigment appearance.



Force Dry:

Bake: 20 minutes at 140°F (60°C)

To Clearcoat: After cool down



Repair and Recoat: After force dry and cool down or 12-16 hours air dry at 70°F (21°C).

VWM5555 must be sanded before recoating with primer, color or clear.



Note: All force dry times are quoted for surface temperature. Additional time must be allowed during force dry to allow surface to reach recommended temperature.

Directions For Use

Compatible Clearcoats: VWM5555 color must be clearcoated with any compatible *Vibrance Collection, Envirobase High Performance, Aquabase Plus, DELTRON®*, or *GLOBAL REFINISH SYSTEM™* clearcoat

Technical Data:

RTS Combinations	With Dry Powders / Mica VWM5555 (with powder) : DCH36xx	With 20% DMX VWM5555 (with dye) : DCH36xx
Volume Ratio:	4 : 1	4 : 1
Applicable Use Category	Color Coating	Color Coating
VOC Actual (g/L)	186-199	195-290
VOC Actual (lbs./gal.)	1.55-1.66	1.63-2.42
VOC Regulatory (g/L) (less water, less exempt)	283-304	304-411
VOC Regulatory (lbs./gal.) (less water, less exempt)	2.36-2.54	2.54-3.43
Density (g/L)	1059-1104	1035-1059
Density (lbs./gal.)	8.84-9.21	8.64-8.84
Volatiles wt.%	52.4-56.0	56.0-59.8
Water wt.%	0.1	0.1
Exempt wt.%	24.4-37.5	31.7-37.5
Water vol.%	0.1	0.1
Exempt vol.%	34.2-35.8	29.4-35.8
Solids vol.%	41.2-43.9	36.6-41.2
Sq. Ft. Coverage / US gal. (1 mil. At 100% transfer efficiency)	661-704	588-661

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

See Material 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

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