



Vivid Collection  
An XPrime Brand

# Prime Vivid Dyes - Tech Sheet

PRIME XPRIME™



## Color Spectra

Prime Vivid Dyes are concentrated liquid coatings designed to provide a clean deep color appearance when added to a variety of carriers such as our PC-500LV or High Performance ClearCoats. They provide a rich variety of tri-stage finishes created from toners and dyes to achieve a deep rich Candy appearance. These dyes can be mixed with the Prime Basecoat Low VOC system to create a wide range of Basecoat and Tri-Coat custom finishes. When recoated with Prime Coating High Performance ClearCoats, the result is a high gloss, weather resistant top coat.



### Features and Benefits

- Excellent Color Matching system
- Domestic and Import Colors
- Easy to Blend
- Excellent Coverage

### Reducer

- PR - 860 / 860LV
- PR - 870 / 870LV
- PR - 885 / 885LV
- PR - 895 / 895LV

### Compatible Substrates

- Cleaned and Sanded OEM Topcoats.
- Previously painted surfaces that are properly prepped
- Prime Professional Coating Primers and Sealers

**Note: Using other Manufacturers Primers & Sealers, refer to their product tech sheets for over and under compatibilities**

### Description

- Cool to Cold Temperatures ( 60 - 70 °F )
- Medium Temperatures ( 65 - 80 °F )
- Warm Temperatures ( 75 - 90 °F )
- Hot Temperatures ( 85 °F and Above )



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## Preperations



1. Wash painted surfaces thoroughly with soap and water to remove water-soluble contaminations.
2. Use appropriate Cleaner
3. Sand with 400 - 600 grit sand paper.

## Mix Ratios



### Standard Mix Base

BaseCoat	:	PR - Reducers	:	PH 500 Activators
1	:	1	:	3/4 oz or 40 grams



### Standard Mix Mid Coat

Candy Mid Coat	:	PR - Reducers	:	PH 500 Activators
1	:	1	:	3/4 oz or 40 grams



### Adding Dye to BaseCoat Color Blender

For a custom formula you may add a maximum of 10% by weight of Vivid Dyes to unreduced color or 5% to ready-to-spray mix PC-500LV



### Adding Dye to Prime ClearCoats

It is recommend to only use one of the following 50% solids clearcoats as a carrier to give optimized UV protection. HS-99 / HS-98 / HS-98LV / HS - 20 Catalyze the above ClearCoats 2:1 making a sprayable 1 quart product. Add the Vivid Candy Dyes in 1/2 ounce increments. Mix slowly and thoroughly by hand. Use the mixing stick to determine the degree of intensity as the 1/2 ounce increments are added until the desired color has been achieved. Mixed color should appear vivid and deep in color to achieve maximum density in fewer coats.

Note : When final coat of MidCoat Candy is applied, you must use the same clearcoat that was used as a carrier, to be applied as a final Gloss Coat to insure consistency and proper dry times. In addition, plenty of flash time must be given to each coat when using the Prime Clearcoats as a carrier. Not giving proper flash times will result in solvent trapping and in return will yield many paint issues.



### Pot Life

No Pot Life when activator is not present in mix

When using us PH - 500 Series Activators as a Basecoat Activator, use 3/4 oz or 40 grams per sprayable quart RTS. Pot life is 2 hours when mixed. Using material beyond the 1 hour pot life may result in wrinkling or result in additional product failures.

## Additives



**Fisheye Eliminators** are not recommended.



**Universal Retarders** are not recommended.



**Flex additive** is not recommended.



**Accelerator** is not recommended.



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## Air Pressure & Gun Setup



HVLP	8-10 psi at the air cap
Compliant Gun Setup	29 - 45 psi at the gun
Approx. Distance	1.2 - 1.5 mm or equivalent 6" - 8"

## Application



Apply	Sufficient number of coats to achieve desired color effect.
Total Recommended Dry Film :	Do not apply thick film. Spraying a test panel is recommended to determine the desired effect.

- Apply 3 - 4 coats of Candy MidCoat with a 75 % pattern overlap. Allow each coat to properly flash or to dull.
- It is extremely important to maintain a consistent spray pattern to prevent striping of the color.
- Apply light even coats, walking the side of the object being painted from end to end, being careful not to follow the body lines.
- Do not overlay or panel paint large objects such as sides of a car or dark areas may results.
- Avoid dry spraying, as loss of adhesion is possible.

## Dry Times



Between Coats	15 - 20 minutes at 70° F. Tac cloths may be used in between coats only on Basecoat. Do not use tack cloth between coats when applying midcoat candy or prior to clearcoat
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Dry times to clearcoat at 70° F ( 21° C ) with PH Activators	30 Minutes - 24 Hours. After 24 hours, Midcoat must be scuffed and recoated.
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Tape Time	60 Minutes at 70° F ( 21° C ) - When mixed 1:1 with reducer and PH Activators. Do not tape directly onto the MidCoat Candy whenever possible. If artwork is planned, apply 1- 2 coats of PC-500LV or Prime ClearCoats to protect the underlying paint layer from mishaps such as tape marks, chemical spills or etc that may damage layers applied at a prior date. In addition, the protective clearcoat is easier to sand imperfections out of and will not require to be re-candied after sanding.
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**Note: Clearcoating must be completed within 24 hours. If the basecoat color stage or candy midcoat is not going to be clearcoated within 24 hours, apply 2 coats of the PC-500LV Color Blender over the last coat of Base or Mid Coat. Also, if the last coat PC-500LV is allowed to dry over 8 hours, lightly sand or scuff before recoating or clearcoating.**



Repairing & Recoating	The Vivid Basecoat and Candy may be recoated after 15-30 minute or up to 24 hours at 77 F with itself, it maybe scuffed after 30 minutes at 77 F if necessary. After the 24 hour period depending on temperature and humidity, the Basecoat or Candy midcoat must be lightly scuffed and an additional coat of the same product must be applied
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Equipment Cleaning	Spray guns, gun cups, storage pots, etc., should be cleaned thoroughly after each use with any appropriate general purpose solvent.
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see SDS for this product

### Disposal/Safety:

FOR INDUSTRY USE ONLY  
Read SDS Before Use

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions. The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.  
SEE SDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION.

