

**DITZLER® Custom Clear**

# VC5700

VC5700 DITZLER® Custom Clear is a high build, easy to apply urethane clearcoat that provides a deep, high gloss appearance perfect for a show quality finish.

VC5700 is specifically designed for custom shops. VC5700 fills tape lines and graphics, has great vertical hold and is very easy to polish. It can also be used as a lock down clear to protect and level graphics and provide a layer to sand prior to flow coating.

This product meets VOC requirements for all refinish markets.

For procedures relating to custom and/or restoration work refer to PPG’s Custom Restoration Guide available at [ppgrefinish.com](http://ppgrefinish.com) under Training.



**Compatible Products and Systems**

VC5700 *Ditzler* Custom Clear clearcoat can be used over the systems shown below:

- ENVIROBASE® High Performance Refinish System - Follow EB-143 *Envirobase* High Performance recommendations for proper preparation and compatible primers.
- VIBRANCE COLLECTION® topcoat systems - Follow specific product bulletin recommendations for proper preparation and compatible undercoats.

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

**Required Products**

**Hardener**

- VH7780 *Ditzler* Custom Clear Hardener
- VH7795 *Ditzler* Custom Clear Hardener High Temp over 90°F (32°C)

**Reducer**

- DT1855 Compliant Reducer Slow 77-95°F (25-35°C)
- SLV898 Low VOC Retarder over 95°F (35°C)

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## Mixing Ratio:



### Standard Mix:

VC5700		VH7780/VH7795		DT1855
Clearcoat	:	Hardener	:	Reducer
2	:	1	:	1

NOTE: Up to an additional 1/2 part of reducer may be added when spraying large parts.

Cumulative Weight in Parts (Grams)			
Final RTS Volume	VC5700 Clearcoat	VH7780/VH7795 Hardener	DT1855 Reducer
¼ Pint / 4 oz.	73.6 (65.3)	111.2 (98.6)	155.9 (138.3)
½ Pint / 8 oz.	147.1 (130.5)	222.3 (197.3)	311.8 (276.7)
1 Pint / 16 oz.	294.2 (261.1)	444.7 (394.6)	623.6 (553.3)
1 Quart / 32 oz.	588.5 (522.1)	889.3 (789.1)	1247.2 (1106.6)

### For Small Parts or as a Lock Down Clear:

VC5700		VH7780	:	DT1855		SL93LV
Clearcoat	:	Hardener	:	Reducer:	:	Accelerator
2	:	1	:	1	:	1%

Cumulative Weight in Parts (Grams)				
Final RTS Volume	VC5700 Clearcoat	VH7780 Hardener	DT1855 Reducer	SL93LV
¼ Pint / 4 oz.	73.6 (65.3)	111.2 (98.6)	155.9 (138.3)	157.5 (139.7)
½ Pint / 8 oz.	147.1 (130.5)	222.3 (197.3)	311.8 (276.7)	314.9 (279.0)
1 Pint / 16 oz.	294.2 (261.1)	444.7 (394.6)	623.6 (553.3)	629.8 (558.8)
1 Quart / 32 oz.	588.5 (522.1)	889.3 (789.1)	1247.2 (1106.6)	1259.7 (1117.7)



### Pot Life:

2.5 hours at 70°F (21°C)

## Additives:



SLV814 Universal Flexibilizer:	5% to RTS by volume
SLV4985 Flattening Agent:	See ONECHOICE® product bulletin OC-7
SL93LV Accelerator:	See ratio above for Lock Down Clear recommendations

## Gun Setup:



HVLP:	8 - 10 psi at the air cap
Compliant:	22 - 32 psi at the gun
Gun Setup:	1.3 - 1.5 mm or equivalent

Refer to spraygun manufacturer's recommendations for inlet air pressures.

## Application:



Apply:	2 - 4 wet coats
Dry Film Build Per Coat:	1 - 1.5 mils

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## Drying Times



### Standard Mix:

<b>Between Coats:</b>	5 - 10 minutes at 70°F (21°C)
<b>Dust Free:</b>	60 - 90 minutes at 70°F (21°C)
<b>Tape Time:</b>	12 - 16 hours at 70°F (21°C)

### Lock Down Clear:

<b>Between Coats:</b>	2 - 5 minutes at 70°F (21°C)
<b>Dust Free:</b>	30 minutes at 70°F (21°C)
<b>Tape Time:</b>	3 - 4 hours at 70°F (21°C)



### Air Dry:

**Standard Mix:** 12 - 16 hours at 70°F (21°C)

**Lock Down Clear:** 3 - 4 hours at 70°F (21°C)



### Force Dry:

<b>Purge:</b>	None
<b>Standard Mix:</b>	40 minutes at 140°F (60°C)

### Lock Down Clear:

At normal film builds of 2 to 3 coats:  
20 minutes at 120°F (49°C)

For heavier films of 4 coats or more:  
Baking is not advisable



### IR (Infrared):

<b>Medium Wave:</b>	5 minutes half bake, 9 minutes full
<b>Short Wave:</b>	5 minutes



### Polishing:

<b>Air Dry:</b>	12 - 16 hours at 70°F (21°C)
<b>Force Dry:</b>	After cool down



### Repair and Recoat:

**Recoat:** Recoat after force dry and cool down or 12 - 16 hours air dry for standard mix or 3 - 4 hours for lock down clear.

VC5700 must be sanded before recoating with primer, color or clear.

**Repair:** Repair after force dry and cool down or 12 - 16 hours air dry.



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

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## Technical Data:

RTS Combinations	VC5700 : VH7780 / VH7795 : DT1855	VC5700 : VH7780 / VH7795 : SLV898	VC5700 : VH7780 : DT1855 + SL93LV	VC5700 : VH7780 / VH7795 : DT1855 + SLV814
Volume Ratio	2 : 1 : 1	2 : 1 : 1½	2 : 1 : 1 +1%	2 : 1 : 1 +5%
Intended Use Category	Clearcoat	Clearcoat	Clearcoat	Clearcoat (Flexed)
VOC Actual (g/L)	145	129	144	140
VOC Actual (lbs./ Us Gal.)	1.21	1.08	1.20	1.17
VOC Regulatory (less water less exempt) (g/L)	249	246 - 248	248	244 - 246
VOC Regulatory (Less water less exempt) (lbs./ US Gal)	2.08	2.05 - 2.07	2.07	2.04 - 2.05
Density (g/L)	1170 - 1171	1186 - 1188	1170	1172 - 1173
Density (lbs./ US Gal.)	9.76 - 9.77	9.90 - 9.91	9.77	9.78 - 9.79
Volatiles wt. %	59.3 - 59.8	64.0 - 64.4	59.8	60.0 - 60.4
Water wt. %	0.0	0.0	0.0	0.0
Exempt wt. %	46.9 - 47.4	53.1 - 53.5	47.5	48.0 - 48.5
Water vol. %	0.0	0.0	0.0	0.0
Exempt vol. %	41.5 - 41.9	47.5 - 47.9	42.0	42.6 - 43.0
RTS % Solids by Volume	41.7 - 42.1	37.5 - 37.9	41.7	41.2 - 41.6
RTS % Solids by Weight	40.2 - 40.7	35.6 - 36.0	40.2	39.6 - 40.0
Sq. Ft. Coverage, 100% transfer efficiency at 1 mil	669 - 675	602 - 608	669	661 - 667

## Equipment Cleaning:

Spray guns, gun cups, storage pots, etc. should be cleaned thoroughly after each use with any approved PPG general purpose solvent.

### 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

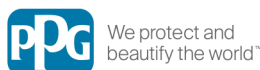
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