



VB-24

**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.



**Compatible Products and Systems**

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

- DBC Refinish Systems—Follow P-175 DELTRON® DBC recommendations for proper preparation and compatible undercoats.
- BC Refinish Systems—Follow EU02 GLOBAL REFINISH SYSTEM™ BC recommendations for proper preparation and compatible undercoats.
- ENVIROBASE® High Performance Refinish Systems—Follow EB-143 *Envirobase* High Performance recommendations for proper preparation and compatible undercoats.
- AQUABASE® Plus—Follow *Aquabase* Plus PDS N5.3.2 recommendation for proper preparation and compatible undercoats.
- VIBRANCE COLLECTION® topcoat systems—Follow specific product bulletins 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)
- D8767 Slow Compliant Thinner 77-95°F (25-35°C)
- P850-1775 HS Plus Mid-Temp Reducer 77-95°F (25-35°C)
- SLV898 Low VOC Retarder over 95°F (35°C)

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## Mixing Ratio:

### Standard Mix:



VC5700 Clearcoat	:	VH7780/VH7795 Hardener	:	DT1855/D8767/P850-1775 Reducer/Thinner
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/D8767/P850-1775 Thinner
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 Clearcoat	:	VH7780 Hardener	:	DT1855/D8767 P850-1775 Reducer	:	EA10 Accelerator
2	:	1	:	1	:	2%

Cumulative Weight in Parts (Grams)				
Final RTS Volume	VC5700 Clearcoat	VH7780 Hardener	DT1855/D8767/P850-1775 Thinner	EA10
¼ Pint / 4 oz.	73.6 (65.3)	111.2 (98.6)	155.9 (138.3)	159.0 (141.1)
½ Pint / 8 oz.	147.1 (130.5)	222.3 (197.3)	311.8 (276.7)	318.0 (282.2)
1 Pint / 16 oz.	294.2 (261.1)	444.7 (394.6)	623.6 (553.3)	636.1 (564.4)
1 Quart / 32 oz.	588.5 (522.1)	889.3 (789.1)	1247.2 (1106.6)	1272.1 (1128.8)

Pot Life: 2.5 hours at 70°F (21°C)



## Additives:



<b>SLV814 Universal Flexibilizer:</b>	5% to RTS by volume
<b>SLV4985 Flattening Agent:</b>	See ONECHOICE® product bulletin OC-7
<b>EA10 Accelerator:</b>	See ratio above for Lock Down Clear recommendations

## Gun Setup:



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

Note: For best overall results, refer to spraygun manufacturer's recommendations for inlet air pressures.

## Application:



Apply: 2-4 wet coats

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## Drying Times



### Standard Mix:

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

### Lock Down Clear:

**Between Coats:** 2-5 minutes at 70°F (21°C)  
**Dust Free:** 30 minutes at 70°F (21°C)  
**Tape Time:** 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:

**Standard Mix:** 40 minutes at 140°F (60°C)



### IR (Infrared):

**Medium Wave:** 5 minutes half bake, 9 minutes full  
**Short Wave:** 5 minutes



### Polish:

**Air Dry:** 12-16 hours at 70°F (21°C)  
**Force Dry:** After cool down



### Repair and Recoat:

Recoat after force dry and cool down or 2 hours air dry

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

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.

## Technical Data:

RTS Combinations	VC5700 : VH7780 / VH7795 : DT1855 / D8767 / P850-1775	VC5700 : VH7780 / VH7795 : SLV898	VC5700 : VH7780 : DT1855 / D8767 / P850-1775 + EA10	VC5700 : VH7780 / VH7795 : DT1855 / D8767 / P850-1775 + SLV814
Volume Ratio	2 : 1 : 1	2 : 1 : 1½	2 : 1 : 1 +2%	2 : 1 : 1 +5%
Intended Use Category	Clearcoat	Clearcoat	Clearcoat	Clearcoat (Flexed)
VOC Actual (g/L)	145	129	143	140
VOC Actual (lbs./ Us Gal.)	1.21	1.08	1.19	1.17
VOC Regulatory (less water less exempt) (g/L)	249	247	247	246
VOC Regulatory (Less water less exempt) (lbs./ US Gal)	2.08	2.06	2.06	2.05
Density (g/L)	1101-1170	1188	1100-1165	1107-1172
Density (lbs./ US Gal.)	9.19-9.76	9.91	9.18-9.72	9.24-9.78
Volatiles wt. %	57.2-59.3	64.0-64.4	57.6-59.6	58.1-60.0
Water wt. %	0.0-0.1	0.0	0.0-0.1	0.0-0.1
Exempt wt. %	44.0-46.9	53.1-53.5	44.7-47.4	45.4-48.0
Water vol. %	0.0-0.1	0.0	0.0-0.1	0.0-0.1
Exempt vol. %	41.5-41.8	47.5-47.9	42.2-42.5	42.6-42.9
RTS % Solids by Volume	41.7-42.1	37.5-37.9	41.3-41.7	41.2-41.6
RTS % Solids by Weight	40.7-42.8	35.6-36.0	40.4-42.4	40.0-41.9
Sq. Ft. Coverage, 100% transfer efficiency at 1 mil	669-675	602-608	663-669	661-667

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## VC5700

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### Equipment Cleaning:

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

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### 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.

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### See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

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#### 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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