

Custom Clear

VC5200

VC5200 Custom Clear is a high-solid, easy-applying urethane clearcoat with a sprayable VOC of 4.2 lbs. per gallon.

VC5200 provides the speed and versatility needed in today's custom shops. VC5200 fills tape lines and graphics with great vertical hold. VC5200 can be polished very easily with little effort. This product will meet national VOC requirements.



Compatible Systems

VC5200 Custom Clear can be used over the systems shown below:

- DBC Refinish Systems — Follow P-175 *Deltron*® DBC recommendations for proper preparation and compatible primers.
- DBU Universal Basecoat — Follow P-152 *Deltron* DBU recommendations for proper preparation and compatible primers.
- BC Refinish Systems — Follow EU02 *Global Refinish System*® BC recommendations for proper preparation and compatible primers.
- Reference the *Vibrance* Compatibility Chart (VB20) for compatible Clears and custom formulating.

Directions For Use

Preparation:

Where VOC limits allow a maximum of 5.0 lbs. / US Gal. for multi-stage systems, reduce DBU Color 150% with DRR Reducer or DBC Color 100% with DT Reducer. Refer to the Product Information Bulletin of the color system for its application, dry times, and blend recommendations. (See P-175 for DBC basecoat, P-152 for DB U basecoat and P-168 for DCC color).

Hardener Selection:

Hardener selection is dependent on the temperature.
Select the appropriate hardener from the table below.

Temp. Range	Hardener
Up to 70°	VH7970
Up to 80°	VH7980
Over 80°	VH7990

Mixing Ratio:



VC5200 : VH79xx Hardeners
1 : 1

Pot life is 2–4 hours at 70°F (21°C) depending on Hardener selected.

Application:



Apply 2–3 coats while allowing 2–5 minutes flash between coats. Do not allow to get hand slick between coats. The use of the proper hardener for spray temperature is the most important part of the process.

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Directions For Use

Spraygun Set-up:



Apply:	2–3 wet coats
Air Pressure:	8–10 PSI at the cap for HVLP guns 45–55 PSI at the gun for conventional guns
Fluid Tip:	1.3–1.5 mm or equivalent

Drying Times:



Between Coats: 2–4 minutes depending on Hardener selection
70°F (21°C)



Dust Free: 10–30 minutes depending on Hardener selection
70°F (21°C)



Tack Free: 30–60 minutes depending on Hardener selection
70°F (21°C)



Tape Time: 4–6 hours depending on Hardener selection
70°F (21°C)



Air Dry: 4–8 hours
70°F (21°C)



Force Dry: Do Not Purge
140°F (60°C) 30 minutes



IR (Infrared): *Medium Wave* 5 minutes half bake, 9 minutes full
Short Wave 5 minutes



Polishing: *Air Dry* 6–8 hours @ 70°F (21°C) depending on Hardener.
Force Dry Immediately after cool down

VC5200 can be lightly sanded with 1500–2000 grit sandpaper and compounded. Use a foam pad with a minor cutting compound to remove any minor imperfections.

Repair and Recoat: Recoat after force dry and cooling cycle or 2 hours air dry.
Repair after force dry and cooling cycle or 6–8 hours air dry.
VC5200 must be sanded before recoating with primer, color or clear.

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:

1:1 RTS VOC Regulatory	3.71 lbs / US Gal (445 g/l) (Less Water Less Exempts)
Total Solids By Volume (RTS):	46.46%
Sq. Ft. Coverage / US Gal (RTS):	745 @ 1 mil, 100% transfer efficiency
Film Build Per Wet Coat:	3.4–4.7 mils
Dried Film Build Per Coat:	1.6–2.2 mils

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.

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.

For further information, please contact the PPG Customer Focus Center toll-free at (800) 647-6050 or (888) 310-4762 in Canada.

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