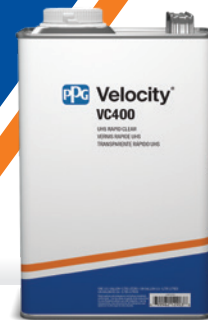


VC400 UHS Rapid Clear

Product Data Sheet



PPG VELOCITY® VC400 UHS Rapid Clear is a high solids clearcoat that delivers unmatched speed and gloss. It is versatile to use both in spot jobs and overall use.

Compatible Products



Apply over:

- VB Basecoat

Substrate Preparation



- Wash all surfaces to be painted with car wash soap and water, then apply the appropriate PPG ONECHOICE® cleaner. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.
- Abrade (wet) with U.S. 500-600 / European P800-P1200-grade paper or abrade (dry) with U.S. 400-500 / European P600-P800-grade paper.
- Wash off residue and dry thoroughly before re-cleaning with appropriate cleaner. The use of a *OneChoice* tack rag is recommended.

Application Guide



Mix Ratio

VC400 UHS Rapid Clear	2 parts
VH40X UHS Rapid Clear Hardener	1 part

Hardeners

VH401 UHS Rapid Clear Fast Hardener	60°F - 80°F
VH402 UHS Rapid Clear Standard Hardener	75°F - 95°F
VH403 UHS Rapid Clear Slow Hardener	Above 95°F



Pot Life

1 hour at 70° F (21° C)



Spray Gun Setup and Pressure

Fluid tip	1.2 – 1.4 mm
Viscosity at 70° F (21° C)	17 – 19 seconds with a DIN4
HVLP at the air cap	8 – 10 psi
Compliant at the spray gun	26 – 29 psi

For best overall results, refer to the spray gun manufacturer's recommendations for optimum inlet air pressures.



Application

- 2 coats: one light coat followed by a second wet coat
- 2.0 – 2.5 mils suggested dry film build

Velocity® VC400 UHS Rapid Clear

Product Data Sheet

Application Guide (cont.)



Drying Times

Dust-free, air dry	10 minutes at 70° F (21° C)
Dry to handle, air dry	3 hours at 70° F (21° C)
Force dry	10 minutes at 140° F (60° C)
Infrared short wave	12 minutes
Polishing, air dry	30 minutes at 70° F (21° C) after cooling with low bake

Flash Off

Between coats, Until fully flashed off at 70° F (21° C)

Force dry times are quoted for metal temperature. Additional time should be allowed in the force-drying schedule to allow metal to reach recommended temperature.



Recoating

VC400 UHS Extra must be cleaned, abraded and recleaned an hour after baking if recoating.

Performance Guidelines

- The use of HVLP spray equipment can give an increase in transfer efficiency of around 25% depending upon the make and model of the equipment used.
- Partially used cans of hardener must be carefully closed. Store all content in a cool dry place away from heat.

Technical Data

RTS Information	VC400 : VH401/VH402/VH403 2 : 1
Coating category	Gloss Clear Coating
VOC actual (g/L)	445 – 439 g/L
VOC actual (lbs./U.S. gal.)	3.71 – 3.66 lbs./gal.
VOC regulatory (g/L) (less water less exempt)	443 – 448 g/L
VOC regulatory (lbs./U.S. gal.) (less water less exempt)	3.70 – 3.74 lbs./gal.
Density (g/L)	989.9 – 1001.9 g/L
Density (lbs./U.S. gal.)	8.26 – 8.36 lbs./gal.
Volatiles weight %	44.3 – 44.4%
Water weight %	0.00%
Exempt weight %	0.70%
Water volume %	0.00%
Exempt volume %	0.80%
Solids volume %	48.7 – 49.3%
Solids weight %	55.6 – 55.7%
Coverage at 1 mil at 100% transfer efficiency (sq. ft.)	769.9 – 777.9 sq. ft.

Velocity® VC400 UHS Rapid Clear

Product Data Sheet

Health and Safety

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

- The contents of this package may have to 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 and SDS of all the components, since the mixture will have the hazards of all its parts.
- Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- Provide adequate ventilation for health and fire hazard control.
- Follow company policy, product SDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- Store waterborne and solventborne waste separately. A competent agent with appropriate certification must handle all hazardous wastes. Wastes must be disposed in accordance with all federal, state, provincial and local laws and regulations.
- Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on SDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

Emergency Medical or Spill Control Information: (412) 434-4515

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general 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, result, 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.



WARNING: Certain products listed may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to P65Warnings.ca.gov.

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