PPG QUICKLINE™

QC-8000/QC-8500

LOW VOC MATTE CLEARCOAT SYSTEM

Product Data Sheet



PPG QUICKLINE® QC-8000 Semi-Gloss Clear and QC-8500 Matte Clear are designed to work together as a low gloss finishing system capable of reproducing a wide range of matte appearance levels. The system is intended for refinishing applications where the original vehicle finish features a reduced-gloss clearcoat, including full matte finishes on select premium vehicle models. To accommodate natural gloss differences caused by vehicle color, design, panel orientation, or repair variables, the mixing ratio between QC-8000 and QC-8500 can be customized to achieve the desired finish match.

Compatible Products

Apply over:

- QB *PPG Quickline* Basecoat

Substrate Preparation

- Wash all surfaces to be painted with car wash soap and water to remove water soluble contaminants, then apply the appropriate PPG ONECHOICE®.surface cleaner. Ensure that the substrate is thoroughly cleaned and dried 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 *OneChoice* surface cleaner. The use of a *OneChoice* tack rag is recommended.
- For plastic substrates, refer to product bulletin for *OneChoice* Plastic Adhesion Promoter.

Application Guide

Mix ratio:

QC-8000 Low VOC Semi-Gloss Clear		QC-8500 Low VOC Matte Clear	
QC-8500 Low VOC Matte Clear coat	3 parts	QC-8000 Low VOC Semi-Gloss Clear coat	3 parts
QH-8100 Low VOC Hardener	1 part	QH-8100 Low VOC Hardener	1 part
QR-2920 Low VOC Reducer	1 part	QR-2920 Low VOC Reducer	1 part

Percentage of Gloss %	FC01 = Flat 0-10 %	FC02 = Matte 10.1- 20 %	FC03 = Eggshell 20.1-30 %	FC04 = Satin 30.1-45 %	FC05 = Semi-Gloss 45.1-60 %
Examples	Lamborghini full body finish		Mercedes Benz, BMW, Fiat, Smart full body finishes		Older Mercedes lower body cladding
QC-8500 %	100	65	40	25	0
QC-8000 %	0	35	60	75	100

Pot Life:

- 1-2 hours at 70ºF (21ºC)

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Additives: None. Matte finishes may be applied over rigid plastics without the need to add a flexiblizer.



Spray Gun Set up and Pressure

Fluid tip	1.2-1.4 mm
HVLP at the cap	8-10 psi
Compliant at the spray gun	29 psi

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



Application:

- 2 wet coats with 15-30 minutes between coats
- 2.0-2.5 mils total recommended dry film build

Flash Off

Between coats,15-30 minutes at 70°F (21°C)



Drying Times

Dust-free	35-45 minutes at 70°F (21°C)
Tape time	12-16 hours at 70°F (21°C)
Air dry	4-6 hours at 70°F (21°C)
Purge before Force Dry	15-30 minutes
Force Dry	40 minutes at 140ºF (60ºC)



Recoating

- QC-8000 or QC-8500 may be recoated after 12 hours air dry or after a force dry/cool down period.

Note: Force dry time is quoted for metal temperature. Additional time must be allowed during force dry to allow metal to reach recommended temperature

Performance. Guidelines

- Store in a cool dry place away from heat.
- The gloss levels achieved with this clear may vary depending upon film thickness and application. Low film thickness and dry application will give a lower gloss level. High film thickness and wetter application will give a higher gloss level. It is recommended that QC-8000 and QC-8500 clear coats be used only for complete panel repairs.

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Technical Data

RTS Information	QC-8000/ QC-8500 : QH-8100 :QR-2920
Mixing Ratio	3:1:1
Coating Category	Clear Specialty Coating
VOC actual (g/L)	118-119
VOC actual (lbs./U.S. gal.)	.098-0.99
VOC regulatory (g/L) (less water less exempt)	242-245
VOC regulatory (lbs./U.S. gal.) (less water less exempt)	2.02-2.04
Density (g/L)	1200-1238
Density (lbs./U.S. gal.)	10.01-10.03
RTS Solids volume %	35.8-36.0
RTS Solids weight %	35.6-35.7
Coverage at 1 mil at 100% transfer efficiency (sq. ft.)	574-577

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 in the safe use of respirators per company and regulatory requirements.
- Store waterborne and solvent borne waste separately. A competent agent with appropriate certification must handle all hazardous waste. Waste must be disposed of 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; In Canada (514) 645-1320

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