

QP-5x00

LOW VOC PRIMER SURFACER

Product Data Sheet



PPG QUICKLINE® QP-5x00 Low VOC Primer Surfacers are fast drying, two component, urethane primer surfacers that are available in white QP-5100, gray QP-5200, and black QP-5300.

Compatible Products



Apply over:

- Cleaned sanded and etch primed steel, galvanized and aluminum.
- Sanded and cleaned body filler, SMC and gel-coated fiberglass.
- Properly cleaned and sanded E-coat.
- Cleaned, cured and sanded OEM and refinish coatings.
- Polyester Primer Filler.
- DPLV Epoxy Primer Series (DP48LV, DP50LV, DP90LV).
- SX2071 Etch Primer.
- OneChoice® Plastic Adhesion promoter.

Topcoat with:

- QS-3x00 Low VOC Sealers
- 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 cleaner. Ensure that the substrate is thoroughly cleaned and dried both before and after application work.
- Abrade bare metal areas with P180–220 grit abrasive. Sand old finishes with P320-400 grit dry by hand or machine or P600 wet.
- Exposed bare metal should be spot primed with a suitable bare metal primer.
- Clean with appropriate OneChoice surface cleaner. The use of a OneChoice tack rag is recommended
- Prime aluminum within 8 hours and carbon steel immediately after cleaning.
- For plastic substrates, refer to product bulletin for OneChoice Plastic Adhesion Promoter.

Application Guide



Mix ratio:

QP-5x00 Low VOC Primer Surfacers	4 parts
QH-3800 Multi-Purpose Primer Hardener	1 part
QR-2900/2910/2920 Low VOC Compliant Reducers	2 parts

Reducers:

QR-2900 Low VOC Fast Reducer	60-70°F (15-21°C)
QR-2910 Low VOC Medium Reducer	65-75°F (18-24°C)
QR-2920 Low VOC Slow Reducer	75-85°F (24-29°C)

Additives:

SLV814 Flexible Additive	10% to a RTS Quart
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Pot Life:

- ½ hour at 70°F (21°C)



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Spray Gun Set up and Pressure

Fluid tip	1.3-1.6 mm
HVLP at the air 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

- 2-4 coats with 5-10 minutes between coats
- 1.5-2 mils suggested dry film build per coat



Drying Times

Dust-free, air dry	15 minutes at 70°F (21°C)
Dry to sand, air dry	1½-3 hours at 70°F (21°C)

Force dry purge	10 minutes at 70°F (21°C)
Force dry bake	30 minutes at 140°F (60°C) + cool down

IR Medium Wave	20 minutes
IR Short Wave	10 minutes

See technical bulletin IRTB 1 for information about infrared usage and drying times

Flash Off

Between coats, 5-10 minutes or until fully flashed off 70°F (21°C)



Sanding

- P400-600 abrasion grit wet.
- P320-500 dry machine abrasion.

Performance Guidelines

- Store in a cool dry place away from the heat.



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Technical Data

RTS Information	QP-5x00:QH-3800:QR-29x0	QP-5x00:QH-3800:QR-29x0:SLV814
Mixing Ratio	4 : 1: 2	4 :1: 2: 10%
Coating category	Primer Surfacer	Primer Surfacer Flexed
VOC actual (g/L)	120	113
VOC actual (lbs./U.S. gal.)	1.00	0.94
VOC regulatory (g/L) (less water less exempt)	232 – 246	225 – 237
VOC regulatory (lbs./U.S. gal.) (less water less exempt)	1.94 –2.05	1.88 – 1.98
Density (g/L)	1414-1511	1406-1485
Density (lbs./U.S. gal.)	11.88-12.61	11.73-12.39
Solids volume %	49.0-51.1	50.3-52.3
Solids weight %	46.1 – 48.6	44.5 – 47.7
Coverage at 1 mil at 100% transfer efficiency (sq. ft.)	553 – 594	560 – 595

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 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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 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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