

Wash Primer

ESU400

ESU400 Wash Primer is a two-component, acid-containing primer that provides minor fill when applied over properly prepared metal substrates. ESU400 provides good adhesion and improves corrosion resistance when used under *Delfleet Essential* Primers.

Additional Products

- Catalyst for ESU400 ESU409

Compatible Surfaces

ESU400 may be applied over:

- Properly prepared steel
- Properly prepared aluminum
- Properly prepared stainless steel
- Properly prepared galvanized metal
- Properly prepared galvaneal

Selection of Substrate Cleaner

Code	Product	Purpose
DX436	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process.
DX437	Heavy-Duty Wax & Grease Remover	Used to remove heavy milling oils and grease from bare substrates prior to the painting process.
DX438	Compliant Cleaner	For use removing dirt, grease and other contaminants in VOC regulated areas.

Application Guide

Preparation:



- Wash the area to be painted with soap and water, and then clean with DX436 or DX437 wax and grease remover. DX438 Low VOC Cleaner should be used in VOC restricted areas.



- Aluminum and steel substrates do not need to be sanded.
- Sand harder metal substrates, such as stainless steel or galvanized steel with 180 – 240 grit wet or dry. Re-clean with DX436, DX437, and DX438.



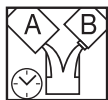
- Prime aluminum, stainless and carbon steel immediately after cleaning.

Mixing Ratio:



1 : ESU400
1 : ESU409

Pot Life:



7 days at 70°F (21°C) / 50% RH

NOTE: High heat and humidity will shorten pot life.

Additives:



Not Recommended

Spray Gun Setup:



	HVLP	Conventional
Fluid Tip	1.2 – 1.4 mm	1.4 – 1.8 mm
Air Pressure	10 PSI at the cap	35 – 40 PSI at spray gun

Consult the Fleet Training Manual Spray Equipment Section for gun set-up

Number of Coats:



2 – 3 coats

Total Film Build:

Dry

Minimum	0.5 mils
Maximum	1.0 mils

Flash Time at 70°F (21°C):



Between coats 3 minutes

Dry Times:



Time to topcoat (minimum):
30 minutes Air Dry at 70°F (21°C)
20 minutes Force Dry at 140°F (60°C)

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

Test Properties:

Color	Yellow-Green
VOC ESU400 Packaged	5.9 lbs. per U.S. gal.
VOC ESU409 Packaged	6.8 lbs. per U.S. gal.
VOC RTS Applied	6.4 lbs. per U.S. gal.
Volume Solids (RTS)	8.04%
Square Foot Coverage (RTS U.S. gal. 100% Transfer Efficiency)	120 sq. ft. at 1 mil

For optimum properties, ESU400 must be sealed before topcoating.

Health and Safety

Please refer to Material Safety Data Sheets (MSDS) for full health safety details and storage regulations.

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 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 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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