

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® Urethane Primers.

Additional Products

- Catalyst for ESU400 ESU409

Compatible Surfaces

ESU400 may be applied over:

- Properly prepared steel
- Properly prepared aluminum
- Properly prepared galvaneal
- Properly prepared galvanized

For optimum properties, ESU400 must be sealed before topcoating.

If sanding bare metal prior to application of ESU400, use 180 – 240 grit wet or dry.

Selection Of Substrate Cleaner - ONECHOICE® Commercial CFX Cleaners

Code	Product	Purpose
CFX435LV	Low VOC Cleaner	Compliant cleaner suitable for removing dirt, grease or other contaminants before or during the painting process
CFX436	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process
CFX437	Heavy Duty Wax & Grease Remover	Used to remove heavy milling oils and grease from bare substrates prior to the painting process

Application Guide

Preparation:



- Wash the area to be painted with soap and water, then clean with CFX435LV, CFX436 or CFX437 cleaner.



- 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 CFX435LV or CFX436 cleaner.
- Prime all substrates 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:



N/A

Spray Gun Setup:

HVLP

COMPLIANT



Fluid Tip	1.2 – 1.5 mm or equivalent	1.2 – 1.5 mm or equivalent
Air Pressure	10 PSI at the air cap or per MFG recommendation	45 - 60 PSI at the spray gun

Pressure Pot Setup: Starting setup, adjust from here for best results.



	HVLP	COMPLIANT
Fluid Tip	1.0 - 1.4 mm	1.0 - 1.4 mm
Fluid Delivery	10-12 fluid ounces per minute	10-12 fluid ounces per minute

Number of Coats:



1-2 full wet coats with a 3-5 minute flash between coats.

Film Build:

Wet Film (per coat)

Dry Film (total)

Minimum
Maximum

4-6 mils

0.5 mil
1.0 mil

Flash Time:



Between coats

3 minutes @ 70°F (21°C)

Dry Times:



To Touch:

30 minutes @70°F (21°C)



To Handle:

45-55 minutes @70°F (21°C)



To Tape:

16 hours @70°F (21°C)



Force Dry:

20 minutes @140°F (60°C)

Recoat/Topcoat: Minimum: 30 minutes
Maximum: 24 hours
@70°F (21°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%
Theoretical coverage	120 sq. ft./gal.
<i>In sq. ft. /U.S. gal. Ready-to-spray (RTS), giving 1 mil. (25µm) dry film thickness (Assuming 100% Transfer Efficiency).</i>	

Health and Safety:

Safety Data Sheets (SDS) for the PPG products mentioned in this publication are available through www.ppgcommercialcoatings.com (Safety, SDS Search) or your PPG Distributor.

For additional information regarding this product, see the SDS and LABEL information.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320 AND IN MEXICO 01-800-00-21-400.

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