



# DUPONT WP<sup>®</sup>

## CHROME-FREE WASH/ETCHING PRE-TREATMENT PRIMER

DuPont WP™ Wash Primer is a non-sanding primer designed to give exceptional adhesion and corrosion resistance over bare metal surfaces. This product eliminates the need to chemically treat metal surfaces before priming.

**SUGGESTED USES:**

- As a wash/etching primer over metal surfaces.

**NOT RECOMMENDED FOR:**

- Immersion service
- Corrosive environments

**COMPATIBILITY WITH OTHER COATINGS:**

To be used over steel or aluminum surfaces. Can be topcoated with Imron® 2.8 HG™ and Imron® 3.5 HG™ lines. Can be used under any DuPont Industrial primer such as Corlar® 2.1 PR™ or Corlar® 3.2 PR™ for better corrosion protection.

**MAXIMUM SERVICE TEMPERATURE:**

250°F (121°C)

**PERFORMANCE PROPERTIES (WHEN USED IN A SYSTEM):**

Adhesion	Excellent	Salt Fog & Humidity	Excellent,
Chemical Resistance	Very Good		under appropriate topcoat
Color/Gloss Retention	Excellent,	Salts	Excellent
	under appropriate topcoat	Solvents	Very Good

**VOLATILE ORGANIC CONTENT (VOC) THEORETICAL:**

- 6.1 lbs./gal. ave. (less exempt) mixed 2 to 1 to 1 (aluminum)
- 6.2 lbs./gal. ave. (less exempt) mixed 1 to 1 (steel)

**COLOR:**

Gray-green

**GLOSS:**

Flat

**CURE TIME – HOURS @ 50% R.H. @ SUGGESTED DFT**

Allow DuPont WP to dry 15-30 minutes before applying additional primers or topcoats.

**THEORETICAL COVERAGE PER GALLON:**

- 128 sq. ft. @ 1 mil DFT
- 256 sq. ft. @ recommended max. DFT

\*Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.

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**DuPont WP™**  
Chrome-Free Wash/Etching Pre-Treatment Primer

**SUGGESTED FILM BUILD (DFT):**

0.3-0.5 mils DFT  
1.9-3.1 mils WFT

**VOLUME SOLIDS (MIXED):**

8 ± 1%

**WEIGHT SOLIDS (MIXED):**

16 ± 1%

**WEIGHT PER GALLON:**

691-474™	7.93 lbs./gal.
FG-476™	6.86 lbs./gal.
T-0475™	6.72 lbs./gal.
Mixed	7.39 lbs./gal.

**FLASH POINT (TAG CLOSED CUP) (MIXED):**

<80°F (27°C)

**PACKAGING:**

691-474™ Quart & 1 gallon containers  
FG-476™ Quart & 1 gallon containers  
DuPont T-0475™ 1 gallon & 5 gallon containers

**SHIPPING WEIGHT (LBS.) APPROXIMATE:**

	Quart	Gallon	5 Gallon
691-474™	2 lbs.	9 lbs.	
FG-476™	2 lbs.	7 lbs.	
DuPont T-0475™		8 lbs.	36 lbs.

**SHELF LIFE & STORAGE CONDITIONS:**

Store in a dry, well ventilated area, storage temperatures should be between -30°F (-34°C) and 120°F (48°C)

- Shelf Life 9 months minimum
- DuPont WP™ may settle. Agitate before each use.

**SAFETY:**

Consult the Material Safety Data Sheet for this product prior to use.



## DuPont WP™ Chrome-Free Wash/Etching Pre-Treatment Primer

### APPLICATION INSTRUCTIONS

#### **SURFACE PREPARATION:**

Surface must be thoroughly cleaned and completely free of any oil, grease or other contaminants. SSPC-SP 1 Solvent Cleaning should be done at a minimum.

#### **MIXING & THINNING:**

Thoroughly mix all ingredients before mixing.

1. Aluminum Surfaces: Thoroughly mix 2 parts DuPont 691-474™ Primer base. Add 1 part DuPont FG-476™ Activator and 1 part DuPont T-0475™ Thinner. Mix all ingredients until uniform.
2. Steel Surfaces: Thoroughly mix 1 part DuPont 691-474™ Primer base. Add 1 part DuPont FG-476™ Activator. Mix until all ingredients are uniform.

No induction time is required.

Apply one medium wet coat

#### **POT LIFE:**

8 hours @ 70°F

#### **REDUCTION:**

See Mixing & Thinning Instructions

#### **APPLICATION THINNERS:**

Thin with one part DuPont T-0475™ Thinner. (Please see Mixing and Thinning Instructions.)

#### **CLEAN UP THINNERS:**

Use DuPont T-0475™. Dispose of waste following local guidelines.

#### **APPLICATION CONDITIONS:**

Do not apply if material, substrate or ambient temperature is below 50°F (10°C) or above 95°F (35°C), or if the atmospheric temperature is within 5°F of the dew point. Relative humidity should be below 80%.

#### **APPLICATION EQUIPMENT:**

- Apply by spray for best results (Spray viscosity 11-13 #4 Ford Cup)
- Manufacturers listed below are a guide. Others may be used. Changes in pressure and tip size may be required to achieve proper application.

#### **BRUSH & ROLL:**

- Not recommended

#### **CONVENTIONAL SPRAY:**

	<u>DeVilbiss</u>
Spray Gun:	JGA
Fluid Nozzle:	FF or E
Pot Pressure:	30-40 psi
HVLP Pressure:	7-9 psi
Air Cap:	80

#### **ADDITIONAL COMMENTS:**

1. DuPont WP should never be sanded at any time.
2. Please follow proper use for desired substrate. (Steel or Aluminum)