



# 1220S™ URO® Primer



## GENERAL

### DESCRIPTION

A two-component, fast drying, easy-to-sand urethane primer-filler that delivers good filling properties.

### SUGGESTED USES

For use over properly treated substrates such as aluminum, steel, fiberglass and plastic. Treat bare steel with 5717S™ or 5718S™ conditioners. Treat aluminum with 225S™ or 226S™ conditioners. 1220S™ has outstanding adhesion performance over metal substrates treated with the Metalok® 230S™ Adhesion Promoter or Metalok® 250S™ or 235S™ Pretreatments.

### COMPATIBLE COATINGS

Compatible with all Axalta Transportation topcoat systems.

### NOT RECOMMENDED FOR

Immersion service and marginally treated metal substrates.

### DRY FILM CHARACTERISTICS

Chemical Resistance	VERY GOOD
Humidity Resistance over treated substrate	EXCELLENT
Weatherability with appropriate topcoat	EXCELLENT
Adhesion	EXCELLENT
Alkali Resistance	EXCELLENT
Solvent Resistance	EXCELLENT

The products referenced herein may not be sold in your market. Please consult your distributor for product availability.



## MIXING

### MIX RATIO

Thoroughly mix prior to activation. The use of a Cyclone® shaker is recommended. Combine components and mix thoroughly. Filter material prior to spray application.

Component	Volume
1220S™ Primer	4
194S™, 294S™ or 15305S™ Activator	1

### ADDITIVES

#### Extend pot life and improve dry time:

Add up to 2 oz. of 389S™ Accelerator per activated gallon

#### Increased cure:

Add up to 1 oz. 8989S™ Accelerator per activated gallon

### INDUCTION TIME

No induction is required

### POT LIFE - 70°F (21°C)

1 hour as activated  
2 hours with 389S™ Accelerator  
45 minutes with 8989S™ Accelerator



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## APPLICATION

### APPLICATION CONDITIONS

Do not apply if material, substrate or ambient temperature is less than 50°F (10°C) or above 110°F (43°C). The substrate must be at least 5°F (3°C) above the dew point. Relative humidity should be below 90%.

### APPLICATION EQUIPMENT

Refer to spray equipment documentation for setting recommendations.

Pressure Pot  
Gravity Feed (recommended)  
Siphon Gun  
Airless Spray  
Air Assisted Airless

### APPLICATION

- Pressure pot application is recommended to provide the best atomization and delivery. Fluid delivery is recommended at 10-12 fluid oz/min.
- 1220S™ builds at approximately 0.8-1.0 mils per pass with a recommended equipment setup.
- Apply using a cross-coat technique, top-to-bottom, and then side-to-side. Each coat should be medium-wet. No flash time is required between coats.
- Axalta topcoats can be applied wet on wet over 1220S™ after a 1-hour flash time (2 hours for maximum holdout).
- Paint heaters can help provide a smoother appearance by controlling the temperature and viscosity of the product, especially under adverse or changing conditions.



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## DRY TIMES

### AIR DRY

77°F (25°C) & 50% RH at recommended film thickness

Dry to touch:	30-45 minutes
Tack free:	1-2 hours
Print free:	2-3 hours

Note: Product must be sanded if force dried or allowed to dry for more than 16 hours.

### FORCE DRY

30 min at 160-180°F (71-82°C)

### APPLICATION SOLVENTS

Ready-to-spray below 3.5 lb/gal VOC upon activation. Further reduction may result in greater than 3.5 lb/gal VOC.

### CLEANUP SOLVENTS

3602S™ Lacquer Thinner  
106™ Lacquer Thinner  
107™ Low VOC Gun Cleaner  
108™ Low HAPS Cleaning Solvent



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## PHYSICAL PROPERTIES

Maximum Service Temperature:	200°F (92°C) in continuous service 300°F (148°C) in intermittent heat
Weight Per Gallon (component only)	10.81 lbs.
Weight Per Liter (component only)	1295 grams
Suggested Dry Film Thickness	1.6 – 2.0 mils
Gloss	Satin



Color  
Flash Point (Closed Cup)  
Shelf Life

Gray  
See MSDS/SDS  
12 months minimum

**RTS mixed 4:1 with:**

**Includes 389S**

	<b>194S</b>	<b>294S</b>	<b>15305S</b>
Gallon Weight pounds per gallon	10.42	10.42	10.38
Gallon Weight grams per liter	1249	1249	1243
VOC AP pounds per gallon	3.0	3.0	2.8
VOC AP grams per liter	359	359	341
VOC LE pounds. per gallon	3.3	3.3	3.3
VOC LE grams per liter	400	400	397
Weight Solids	64.8%	64.8%	63.1%
Volume Solids	47.9%	47.9%	45.8%
Weight Volatiles	35.2%	35.2%	36.9%
Weight Water	0.0%	0.0%	0.0
Volume Water	0.0%	0.0%	0.0
Weight Exempt Solvents	6.5%	6.5%	9.5
Volume Exempt Solvents	10.2%	10.2%	14.2
Theoretical Coverage per RTS Gallon at 1 mil DFT	769 ft <sup>2</sup> (71.4 m <sup>2</sup> )	769 ft <sup>2</sup> (71.4 m <sup>2</sup> )	735 ft <sup>2</sup> (68.3 m <sup>2</sup> )

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**VOC REGULATED AREAS**

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing usage and recommendations in the VOC Compliant Products Chart for your area.

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**SAFETY AND HANDLING**

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS/SDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation and gloves.

**Revised: September 2020**

**In the United States:**  
**1.855.6.AXALTA**  
**axalta.us**

**In Canada:**  
**1.800.668.6945**  
**axalta.ca**

