

AValspar Automotive Brand  
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Technical Support: 1-800-776-0933

**2.1 VOC 2K Primer  
A-509 (White), A-510 (Gray)**

**Product Description** A-509™ (White) and A-510™ (Gray) 2.1 VOC 2K Primers are high quality, two-component, low VOC acrylic urethane primers that provide excellent build and color holdout. These primers are easy to sand and can be applied over a variety of substrates. Use A-509 or A-510 as a primer surfacer in localities requiring the use of low VOC primers.

**Components**



**Primers** A-509 (White), A-510 (Gray)  
**Activators** PCA-451™ (Fast),  
PCA-452™ (Medium), PCA-453™ (Slow)

**Typical Substrates**

- **OEM primer, GRP/fiberglass, polyester putties:** direct application if properly prepared
- **Existing finishes:** in good condition
- **Bare steel, aluminum, galvanized metals:** after priming with A-614™ Etch Primer (1:1:1 Mix Ratio)
- **Thermoplastic acrylic, old lacquer finishes:** primer must be applied to the complete panel

**Surface Preparation**



Clean and dry the surface. Sand surface with P180–P320 grit abrasive. Remove all sanding debris with ICR-0020™. Wipe dry with a clean cloth and allow surface to dry thoroughly.

**Mix Ratio**

Refer to "Activator & Thinner Selection Guide-VOC COMPLIANT".

**Primer** 4 Parts  
**Activator** 1 Part



**Pot Life @ 72°F / 22.2°C**



1 hour

**Viscosity @ 72°F / 22.2°C**

26–28 secs BSB4  
22–24 secs DIN4

		Gray Shade					
Code	Description	GS-1	GS-2	GS-3	GS-4	GS-5	GS-6
		Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
A-509	White	100%	95%	80%	50%	0%	0%
A-510	Gray	0%	5%	20%	50%	100%	92%
A-706	Black	0%	0	0%	0%	0%	8%

**Gun Set Up**



**High Efficiency** 1.6 mm–1.8 mm  
**HVLP** 1.6 mm–1.8 mm

**Air Pressure**



**High Efficiency** 15–29 psi @ the gun  
**HVLP** 6–10 psi max @ the cap

**NOTE:** Refer to individual gun manufacturer for proper spray gun setting.

## 2.1 VOC 2K Primer

### A-509 (White), A-510 (Gray)

#### Application



- 2–3 single coats
- 5–10 minutes flash between coats

#### Dry Times to Sand @ 72°F / 22.2°C



<b>Flash</b>	5–10 minutes before baking
<b>Air Dry</b>	1½–3 hours
<b>Baking</b>	20–30 minutes @ metal temperature of 140°F/60°C
<b>Short Wave</b>	Refer to infrared manufacturer's guide for set-up guidelines

#### Sanding



<b>Dry &amp; D.A.:</b>	P400 P600
<b>Water Sanding:</b>	P500–P600

#### Recoat

Topcoat within 24 hours after sanding. If time exceeds 24 hours, the primed surface must be sanded and cleaned again prior to application of primer or topcoat.

#### Topcoats

When dry, topcoat with:

- Pro-Spray 2K Sealers
- Pro-Spray Single Stage
- Pro-Spray Basecoat/Clearcoat

#### Special Notes / Clean Up



**Clean Up** Clean equipment after use with a cleaning solvent. Dispose of solvent according to state, local and federal regulations.

#### Physical Data

<b>VOC (RTS) per U.S. Gallon</b>	2.1 lbs/gal, 251 g/l
<b>Recommended Dry Film Thickness</b>	2.0–3.0 mils

#### Health and Safety



For professional use only. KEEP OUT OF REACH OF CHILDREN. WARNING! CONTENTS ARE FLAMMABLE. VAPOR AND SPRAY MIST IS HARMFUL. SKIN AND EYE IRRITANT.

Do not handle the Pro-Spray products until the Material Safety Data Sheets have been read and understood in their entirety. Ensure that all employees are trained on Material Safety Data Sheets and all chemicals with which they come into contact. The manufacturer recommends the use of an air-supplied respirator when exposed to vapors or spray mist. Wear protective clothing, gloves and eye safety with a side shield.

This data sheet information is given in good faith but without warranty. The information contained herein represents the current state of our knowledge and is intended as a guide to our products and their uses; it is not intended for insurance of certain product properties or of their specific applications.

Follow all warnings on product labels.