

SEM® **WORLD CLASS™** **HS URETHANE PRIMER** TECHNICAL DATA SHEET

 Check local VOC regulations to ensure compliance of all products in your area.

DESCRIPTION

World Class™ HS Urethane Primer is a premium, high build, two component urethane primer for use on automotive substrates.

FEATURES

- Outstanding adhesion
- Excellent filling properties
- Sands quickly
- Excellent color holdout
- 4.2 mixed VOC
- Available in gallons and quarts

SUITABLE SUBSTRATES

- Sanded OE Finish
- Bare Metal¹
- Aluminum
- Body Filler
- Polyester Putty
- SMC
- Fiberglass
- Plastic

Note:¹

For maximum corrosion protection, prime large areas of bare metal with an etch/wash primer or treat with metal conditioner.

TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
50151	World Class HS Urethane Primer	Neutral Gray	Gallon
50154	World Class HS Urethane Primer	Neutral Gray	Quart

RTS weight solids:	66.2%
RTS volume solids:	42.4%
RTS VOC:	Max 4.20 lb/gal (504 g/L)



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Pot life @ 70°F (21°C) and 50% RH:	2 hours
Coverage at 2 mils:	340 sq.ft./gal
Air dry time (to sand):	3 hours

HANDLING AND APPLICATION

PREPARATION:

Sand all surfaces to be primed with 180-320 grit sand paper. After sanding, clean surface to be primed with **SEM Solve** or **XXX Universal Surface Cleaner** for non-plastic substrates and **Plastic & Leather Prep** for all plastic parts. Apply **XXX Plastic Adhesion Promoter** to problem plastics such as PP and TPO. On fiberglass and SMC surfaces, pay attention to not saturate any exposed fibers.

MIXING:

Shake or stir thoroughly. Mix by volume:

4 Parts	1 Part
World Class HS Urethane Primer	4.2 VOC Activator

APPLICATION:

Set air pressure to:	8-10 psi at the cap for HVLP equipment
	40-50 psi for non-HVLP

1. Use a gun equipped with a 1.7–2.2 fluid nozzle.
2. Spray 2-3 coats keeping the gun 5-7" from the substrate. Allow to flash dry, approximately 5-10 minutes.
3. Spray subsequent coats allowing full flash time.
4. Allow 2-3 hours air-dry prior to sanding or force dry 30 minutes at 140°F (60°C).

Note:

For increased productivity, you may add ½ ounce per RTS quart of **World Class Accelerator**. Do not use **Accelerator** and **World Class Extra Fast Activator** together.

CLEANUP:

Use **XXX Universal Gun Cleaner** or appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:

World Class HS Urethane Primer should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **World Class HS Urethane Primer** is 5 years when stored under normal conditions. The shelf life for **World Class HS Urethane Activators** is 3 years.



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RELATED PRODUCTS:

Part:	Product Name:	Size:
38351	Plastic & Leather Prep	Gallon
38353	Plastic & Leather Prep	16 oz. Aerosol
38354	Plastic & Leather Prep	Quart
38371	SEM Solve	Gallon
38373	SEM Solve	20 oz. Aerosol
38374	SEM Solve	Quart
38375	SEM Solve	5 Gallon
50444	4.2 VOC Extra Fast Activator	Quart
50446	4.2 VOC Extra Fast Activator	Half Pint
50454	4.2 VOC Fast Activator	Quart
50456	4.2 VOC Fast Activator	Half Pint
50464	4.2 VOC Medium Activator	Quart
50466	4.2 VOC Medium Activator	Half Pint
50474	4.2 VOC Slow Activator	Quart
50476	4.2 VOC Slow Activator	Half Pint
50918	Accelerator	Pint
77721	XXX Adhesion Promoter	Gallon
77723	XXX Adhesion Promoter	16 oz. Aerosol
77724	XXX Adhesion Promoter	Quart
77763	XXX Universal Gun Cleaner	20 oz. Aerosol
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart

Technical Consultation Service

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

Disclaimer:

The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Safety Data Sheet (SDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the SDS and product label are available upon request.