



# WORLD CLASS™ UNIVERSAL CLEARCOAT 4.2 VOC

## TECHNICAL DATA SHEET



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

### DESCRIPTION

World Class Universal Clearcoat is a high quality, versatile, two-component, urethane clearcoat for collision shops.

### FEATURES

- 24 Month Warranty
- Great product at mid-grade price
- Two coat application
- Superior vertical hold
- Exceptional gloss and DOI
- Chemical resistant
- Easy to buff
- Excellent UV protection

### SUITABLE SUBSTRATES

- All automotive basecoat paint systems
- Fully cured refinish materials
- Properly prepped OEM finishes

### TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
50421	World Class Universal Clearcoat 4.2 VOC	Clear	Gallon
50424	World Class Universal Clearcoat 4.2 VOC	Clear	Quart

RTS weight solids:	34.1%
RTS volume solids:	29.3%
RTS VOC:	Max 4.2 lb/gal (504 g/L)
Pot life:	1 Hour @ 70°F (21°C) and 50% RH
Fluid tip size:	1.2mm – 1.4mm
Inlet air pressure:	22 – 30 psi
Coverage:	235 sq.ft./gal @ 2+ mils DFT
Mil build per coat:	1.1 – 1.4
Dust Time:	10 - 30 minutes
Air dry time to buff:	4 - 8 hours



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## HANDLING AND APPLICATION



### PREPARATION:

After sanding primer, scuff any blend areas with **Scuff & Clean** according to directions. Clean surface with **SEM Solve** or **XXX Universal Surface Cleaner**. Apply basecoat per instructions and allow to fully flash dry.



### MIXING:

Shake or stir thoroughly. Mix by volume:

#### 4 Parts

Universal Clearcoat

#### 1 Part

4.2 VOC Activator

### ACTIVATORS:

Part:	Product Name:	For:
50444, 50446	4.2 VOC Extra Fast Activator	Spot and single panel repairs. 1-2 panels below 65°F (18°C)
50454, 50456	4.2 VOC Fast Activator	Small parts, 1-2 panels. Larger jobs from 60°F (16°C)
50464, 50466	4.2 VOC Medium Activator	2-3 panels. Larger jobs from 70°F (21°C)
50474, 50476	4.2 VOC Slow Activator	3-5 panels. Larger jobs from 80°F (26°C)

### ADDITIVES:

Part:	Product Name:	For:
50918	Accelerator	Reducing cure to handle times by up to 25%
50928	Extender	Extending pot life in hot and/or humid conditions

**Note:** The use of **Accelerator** may reduce time to buff by up to 30 minutes. For best performance when using **Accelerator**, complete buffing operation within 16-24 hours.

Thinning with reducer is not recommended. If used, amount should not exceed 5% by volume.



### APPLICATION:

1. Set air pressure to 8-10 psi at the cap for HVLV equipment.
2. Use a spray gun equipped with a 1.2-1.4 fluid nozzle.
3. Spray two full coats, allowing 5-10 minutes between coats.

Allow 10 minute flash after last coat prior to force drying.



### DRY TIMES:



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**Note:** Dry and cure times are dependent on several factors including temperature, air-flow, film build, activator selection, and humidity.

	<b>Air Dry</b>	<b>Force Dry 30 min @140°F (60°C)</b>
<b>To handle:</b>	3-8 hours	After cool down
<b>To buff:</b>	4-8 hours	After cool down
<b>To deliver:</b>	8-24 hours	After cool down

**Note:** If re-coating with clear only, sand with 1000 grit. If re-applying basecoat and clearcoat, sand with 600 grit.



### CLEANUP:

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



### STORAGE:

**World Class Universal Clearcoat** should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **World Class Universal Clearcoat** is 5 years when stored under normal conditions. The shelf life for **World Class 4.2 VOC Activators** is 3 years.

## RELATED PRODUCTS:

<b>Part:</b>	<b>Product Name:</b>	<b>Size:</b>
38371	SEM Solve	Gallon
38373	SEM Solve	20 oz. Aerosol
38374	SEM Solve	Quart
38375	SEM Solve	5 Gallon
38391	Scuff & Clean	Gallon
38398	Scuff & Clean	16 oz. Tube
50444	World Class 4.2 VOC Extra Fast Activator	Quart
50446	World Class 4.2 VOC Extra Fast Activator	Half Pint
50454	World Class 4.2 VOC Fast Activator	Quart
50456	World Class 4.2 VOC Fast Activator	Half Pint
50464	World Class 4.2 VOC Medium Activator	Quart
50466	World Class 4.2 VOC Medium Activator	Half Pint
50474	World Class 4.2 VOC Slow Activator	Quart
50476	World Class 4.2 VOC Slow Activator	Half Pint
50918	World Class Accelerator	Pint
50928	World Class Extender	Pint
77743	XXX Gun Cleaner	20 oz. Aerosol



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77763	XXX Universal Gun Cleaner	20 oz. Aerosol
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart

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### 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.