

Automotive Refinishing Technology



Offsite Competition

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of collision repair technology.

Contest Location	<ul style="list-style-type: none">▪ This is an Off-Site contest and will be held at Three-C Body Shops Inc., 2300 Briggs Road, Columbus, OH 43223▪ April 25, 2023 8AM-5PM
Eligibility	<ul style="list-style-type: none">▪ Schools may send one competitor or team for every 50 paid SkillsUSA members based on local competition enrolled in a program where the scope of the contest described in the SkillsUSA Technical Content Standards reflects a major component of the program.▪ REGIONAL QUALIFIER - ONLY THE TOP 3 (THREE) FROM REGIONAL COMPETITION PROCEED TO STATE CHAMPIONSHIPS
Clothing	<p>Work/School Attire:</p> <p>School uniform with all identifying logos/markers covered. Field specific work clothing required for the work environment or that matches the service conditions for the contest. This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with hard sole or anti-slip properties (steel toes may be required-refer to Provided by Contestant section below). Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.</p> <p>**Safety glasses with side shields or goggles (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles).</p>
Testing	<ul style="list-style-type: none">▪ There will be a written knowledge test.▪ Students should also be prepared to take a SkillsUSA written knowledge test (required for all contestants).

<p>Provided by Contestant (Tool List)</p>	<ul style="list-style-type: none"> ▪ One hard copy of a 1-page typed personal resume ▪ Extra air hose, 25' ▪ Dual action sander ▪ Sanding block ▪ Pliers ▪ Clipboard ▪ Vise grips (at least 2 pairs) ▪ Nitrile gloves ▪ Charcoal paint respirator 3M or equivalent (Dual Cartridge) – Please bring proof of fit test (will not disqualify if not supplied) ▪ D.A. Sandpaper – 180 grits, 320 grit – 10 sheets each – 600 & 800 ▪ Proper Paint Suite (full cover) ▪ Calculator (battery operated only) ▪ Safety glasses ▪ Two (2) spray guns – 1 for color and 1 for clear ▪ Two (2) #2 pencils (sharpened) ▪ Gray scuff pads ▪ High-Flow ▪ DeVilbiss: HC 4419 ▪ Milton: 76/810 ▪ RBL: 612 ▪ Prevost ▪ ERP 76251 (male) ▪ ERP 76201 (female)
<p>Special Notes</p>	<ul style="list-style-type: none"> ▪ THIS CONTEST IS OPEN TO OBSERVERS ▪ No smart watches, earbuds and/or phones are permitted during the contest and/or in contest ▪ No contact with anyone outside of the contest area once the contest begins ▪ No inappropriate communication between contestants such as verbally degrading another contestant ▪ No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.
<p>National Technical Standards</p>	<ul style="list-style-type: none"> ▪ Please Refer to the 2022-2023 National Technical Standards for all contests. All standards included may be tested in any competition. ▪ In conjunction with National Standards, violations may result in student loss of contest.

Resume	<ul style="list-style-type: none">▪ All SkillsUSA Ohio State Championship Contest will require a short interview component. Students should be prepared with basic job interview skills.
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[EB-143+ENVIROBASE+High+Performance+Waterborne+Basecoat+10+21 \(2\).pdf](#)

[Envirobase® High Performance \(ppgrefinish.com\)](#)

**For hot, drier climates, better results may be achieved using a larger-sized air cap / fluid tip and/or a lower PSI when applying waterborne basecoat. For more humid climates, a smaller-sized air cap / fluid tip and/or a higher PSI may be more desirable. The advantage of either of these adjustments is proper overall wetting of the basecoat.

NOTE: PPG Industries does NOT endorse any particular type or brand of application equipment. The above recommendations are only a general reference and should be used solely as a starting point. Your particular spray environment and application technique may require slight adjustments. All equipment was tested using “full trigger” during application with regulators approved by each gun manufacturer.

Gun Charts Link... (remove the next page completely, pg4)

[DOX440+Gun+Setup+Chart+Rev++062019 \(5\).pdf](#)

[Envirobase® High Performance \(ppgrefinish.com\)](#)

CLEARCOAT INFO....

[P-246+DC2000+Deltron+Ultra+Velocity+Clearcoat+04+19 \(2\).pdf](#)

[Deltron® \(ppgrefinish.com\)](#)

Pre-Cleaner INFO....

[OC-9+SWX350+H2O-SO-CLEAN+12+19 \(2\).pdf](#)

[OneChoice® \(ppgrefinish.com\)](#)

				Coverage	Control
Manufacturer	Model	Air Cap	Fluid Tip	Coat	Coat
CAUTION - To meet regulations in Compliant areas and EPA 6H requirements, all spray equipment should use regulators approved by the corresponding gun manufacturer.					
3M / Accu-Spray (Regulator #16574)	07HS	726	1.8	35 PSI	22 PSI
Anest Iwata (Regulator #8131) (Air Flow Control Valve #8130B)	W400 LV	W400LV	1.3	20 PSI	12 - 14 PSI **
	LPH400 LV	Extreme	1.3	16 PSI	14 PSI
	LS400	Platinum	H1.1 / H1.2 **	25 PSI	20 PSI
DeVilbiss (Regulator #HAV512)	CVI	510	1.2 / 1.3 **	26 PSI	16 PSI
	Tekna	909	1.3	24 PSI	14 PSI
	Tekna	7E7	1.2 / 1.3 **	22 PSI	14 PSI
	Tekna Pro Lite	TE10/TE20 **	1.2	26 PSI	17 PSI
	Tekna Pro Lite	HV30	1.3	24 PSI	14 PSI
Sata (adam2 #160853) (Micrometer #27771)	SATAjet®3000	WSB	WSB	29 PSI	17 PSI
	SATAjet®4000	WSB	WSB	29 PSI	17 PSI
	SATAjet®4000 RP	1.1 / 1.2 **	1.1 / 1.2 **	26-32 PSI **	17 PSI
Sharpe (Digi-Tell #U05510) Regulator	Razor Waterborne HVLP Part # 289389	289375	1.3	26 PSI	16 PSI
Walcom (Regulator #90105/W)	GENESI GEO HVLP	GEO 1.3 UNI	1.3	29 PSI	17 PSI



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