







ArcticSkills 2018 - Car painter

Task, front fender

Part (not attached to vehicle)

- 1 front fender with minimal damage
- Color code VW LA7W



Products and processes

In ArcticSkills 2018 we will use products from R-M and Glasurit brand's of BASF. You can find all the processes described in the «Technical Data Sheets» on the paint supplier's website (http://www.rmpaint.com), and you will have access to these before and during the competition. The correct procedures are described in the «Technical Data Sheets», and the judging will be based on that information.

The sanding materials, tools and workplace will be prepared in advance.















Personal equipment:

Each competitors will bring following personal equipment's:

Safety shoes, working clothes, goggles and ear protection.















Schedule

		Schedule	Max score
Α	Fix dent damage on front fender	0800 – 1000	26
В	Spray filler on front fender	1000 – 1100	23
	Lunch	1100 – 1130	
С	Paint front door	1130 – 1400	48
		Total 5 hours	Total 109

Tasks

Task A

- 1. Fix dent on door
- 2. Use available equipment in the workshop such as hammer, counter hold and grinding tools
- 3. Spackle with STOP UNI or 839-20 and sand it so it's ready for filler

Evaluation: Do not proceed until you have been evaluated.

Task B

- 1. Spray chromate-free wash primer **EUROFILL** or 283-150 where necessary
- 2. Spray PERFECTFILLER or 285-555 according to manufacturer's instructions

Evaluation: Do not proceed until you have been evaluated.

Task C

- 1. Sand filler and make it ready to paint
- 2. Mix and spray basecoat ONYX HD or 90 according to manufacturer's instructions
- 3. Mix and spray clearcoat CHRONOLUX or 923-625 according to manufacturer's instructions

Use assessment forms A, B, and C for this task















	Task
	Α

Car/	
Component	Front Fender

Time	08.00 – 10.00
Break time	
Task length	
Total task time	

Tas	k sections / Distribution of points	Maximum score		
A 1	Health, safety, environment, and labor structure	4		
A2	Wash	2		
A3	Fix dent in door	2		
A4	Sanding	2		
A5	Apply body putty	4		
A6	Sanding the putty	4		
A7	Surface scuffing/mat	4		
A8	Neatness/organization	4		
	Task Total	26		

Task description:

- 1. Fix dent on fender with correct equipment
- 2. Spackle the damaged area
- 3. Sand the spackle and prepare for filler















	Assessment Form
	Α

Group ID	Description	Assessment Criteria		Max points			ed points /candidat	
Α	Fixing the damage				A	В	С	D
A1	Health, environment and	Not using gloves	-1p	4				
	safety	Not using a mask	-1p					
	Multiple points deducted for serious/repeated	Not using proper work clothes	-1p					
	breaking of safety/health rules	Not using safety glasses Not using ear protection	-1p -1p					
A2	Washing With cleaner before	Not washing before starting fixing/grinding	-1p	2				
	starting	Not removed glue residues	-1p					
A3	Fix damage	Spackled more than 2 mm	-2p	2				
	Use of repair tools such as hammer and counter hold	Outward dent	-1p					
A4	Sanding	Bottom of dent not grinded clean	-2p	2				
	Before spackling	Unsanded area berfore spackling	-1p					
A5	Polyester body putty	No dust remove	-1p	4				
		Three times spackling	-2p	- -				
		Large pores/holes in spackle	-2p					
		Too much or not enough	-2p					
A6	Sanding body putty	Begin with P320 or finer	-2p	4				
		If spackling does not finish with P180 (Machine)/ P240/ P320/	-2p					
		Damage visible after grinding	-2p					
A7	Surface scuffing/mat	Use of abrasives other than P400, P500, Gray Scotchbrite or	-2p	4				
		None sanded aeras	-1p]				
		Removed all e-coat down to	-1p					
A8	Neatness/organization	Do not tidy up tools or equipment	-2p	4				
		Do not sweep, tidy up workspace	-2p					
				Subtra ct from total				
Sub	Participant's total points for	spackling and preparation		26				















	Task
	В

Car/	
Component	Front fender

Time	10.00 – 11.00
Break time	
Task length	
Total task time	

Task	sections / Distribution of points	Maximum score
B1	Health, safety, environment, and labor structure	4
B2	Washing	2
B3	Mix Acid primer	2
B4	Spray Acid primer	3
B5	Mix filler	2
B6	Spray filler	4
B7	Wash paint gun	3
B8	Neatness/organization	3
B9		
B10		
	TaskTotal	23

Task description:

- 1. Prepare fender for primer and filler
- 2. Mix and spray etch primer/283-150/ Eurofill
- 3. Mix and spray filler/285-555/ Perfectfiller













Assessment Form

В

Group ID	Description	Assessment Criteria		Max points			ed points candidat	
В	Spray filler on fender				A	В	С	D
B1	Health, safety and	Not using gloves	-1p	4				
	environment Multiple points deducted	Not using mask	-1p					
	for serious/repeated	Not using painting clothes	-1p					
	breaking of safety/health rules	Not using safety glasses	-1p					
B2	Washing	Not washed before spraying	-1p	2				
		Not removed dust	-1p					
B3	Mix acid primer?	Incorrect mixing ratio or	-1p	2				
	·	Mix too much / over 1 dl spill	-1p					
B4	Spray acid primer	Wrong spray gun	-1p	3				
	Repeated mistakes can	Only one coat	-1p					
	mean loss of more points,	Not matte between coats	-2p	-				
		Paint runs	-2p					
		Not on bare metal	-2p					
B5	Mix filler	Incorrect mixing ratio	-1p	2				
		Incorrect contents	-2p					
		Over 1 dl spill	-2p					
B6	Spray filler	Incorrect spray gun	-2p	4				
	Repeated mistakes can mean loss of more points,	Less than 2 coats or more than 3	-2p	_				
	e.g. multiple runs	Filler not matte between coats	-2p					
		Dry spray/ structure /large spraying distance	-1p					
		Filler runs	-1p					
B7	Wash spray gun ?	Not washing inside	-2p	3				
		Not washing outside	-1p					
B8	Neatness / organization	Not cleaning tools after use	-1p	3				
	Repeated mistakes can mean loss of more points	Leave air hose on floor, not cleaning in the boot	-1p	1				
		Leave paper on floor	-1p					
				Cubtro				
				Subtra ct from				
				total				
Sub				23			1	















Bilskade, lakk og karosseri

Skolekonkurranse/kvalifisering til Finnmarksmesterskap og ArcticSkills 2016

Participant Name	School	Assessment Form			
		С			

Bil/	
Komponent	Front fender

Time	11.30 - 14.00

Opp	gaveseksjoner / poengfordeling	Maksimal poengsum			
C1	Health, safety, environment, and labor structure	4			
C2	Grinding or sanding	4			
C3	Wash and wipe dust	2			
C5	Mix basecoat	2			
C6	Spray basecoat	5			
C7	Wash the painting gun	3			
C8	Mix clear coat	2			
C9	Spray clear coat	6			
C10	Wash the painting gun	3			
C11	Neatness and organization	3			
C12	Measure total thickness of the paint	4			
C13	Check	4			
C14					
C15					
	Task Total	42			

Task description:

- 1. Sand and prepare door for paint
- 2. Mix and spray basecoat
- 3. Mix and spray clearcoat















Participant Name	School	Assessment Form			
		С			

Group ID	Description	Assessment Criteria		Max points		Achieved points Names/candidate				
С	Paint basecoat and clear coat				Α	В	С	D		
C1	Health, safety and	Not using gloves	-1p	4						
	environment Multiple points deducted	Not using mask	-1p							
	for serious/repeated	Not using painting clothes and hood	-1p							
	breaking of safety/health rules	Not using safety goggles when washing	-1p							
C2	Sanding Repeated mistakes can mean loss of more	Use of other than P400/P500 Mirka OSB 4 or gray Scotchbrite (can start with P320 on damage)	-1p	4						
	points	Filler not grinded/sanded enough	-1p							
		Not using Grinding Guide	-1p							
		Bare metal, each place	-1p							
C3	Washing – Wiping dust	Not washing before painting	-1p	2						
		Not blowing and wiping dust with tack-rag	-1p							
		Not using hood	-1p							
C5	Mix basecoat	1dl over	-1p	2						
	Candidate mixes basecoat RTU (Ready	Incorrect mixing	-1p							
C6	Spray basecoat	Incorrect spray gun	-1p	5						
	1st coat - wet 2nd coat - half wet (not	Not mat surface between coats	-2p	1						
	always necessary)	Paint runs	-2p							
	3rd coat - effect coats	Must repaint	-4p							
		Primer/ filler shines through	-2p							
		Not painting on sides and under	-2p							
		Clouds/incorrect spraying	-1p							
			-3p							
C7	Wash spray gun	Not washing inside	-2p	3						
		Poorly washed inside	-1p							
		Not washing outside	-1p							
C8	Mix clear coat	Incorrect mixing ratio	-1p	4						
		Incorrect contents	-2p							
		Over 1 dl spill	-2p							















C9	Spray clear coat	Spraying with wrong spray gun	-1p	6		
	1st coat - half wet 2nd coat - wet/shiny	FIISHAVELONES TOLLHOLE HALLS	-2p			
		Second coat to thin, leave an structure (Orange Peel)	-2p			
		Cannot deliver to customer, must be repainted	-5p			
		Runs that can be fixed	-2p			
		Too little clear coat on edges	-2p			
C10	Wash spray gun	Not washing inside	-2p	3		
		Poorly washed inside	-1p			
		Not washing outside	-1p			
C11	Neatness/organization Repeated mistakes can mean loss of more	Not cleaning tools after use	-1p	3		
		Not cleaning the work place	-1p			
	points	Leave paper on floor	-1p			
C12	Measure total thickness	Minimum 100 μm 90 μm -1p, 80 μm -2p, 70 μm -3p 60 μm -4p	-1p	4		
C13	Check	Grinding/sanding marks visible after painting	-2p	4		
		Damage slightly visible after painting	-1p			
		Damage clearly visible after painting	-2p			
Sub				42		





