

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.

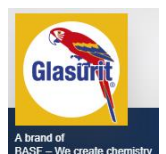
The sanding materials, tools and workplace will be prepared in advance.



Personal equipment:

Each competitors will bring following personal equipment's:

Safety shoes, working clothes, goggles and ear protection.



Schedule

		Schedule	Max score
A	Fix dent damage on front fender	0800 – 1000	26
B	Spray filler on front fender	1000 – 1100	23
	Lunch	1100 – 1130	
C	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
		A

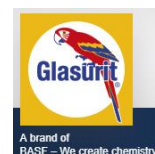
Car/ Component	Front Fender
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Time	08.00 – 10.00
Break time	
Task length	
Total task time	

Task sections / Distribution of points		Maximum score
A1	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





		Task
		B

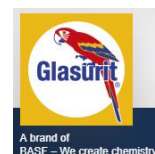
Car/ Component	Front fender
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Time	10.00 – 11.00
Break time	
Task length	
Total task time	

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





Bilskade, lakk og karosseri

Skolekonkurransen/kvalifisering til Finnmarksmesterskap og ArcticSkills 2016

Participant Name	School	Assessment Form
		C

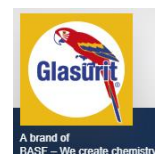
Bil/ Komponent	Front fender
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Time	11.30 - 14.00

Oppgaveseksjoner / 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:

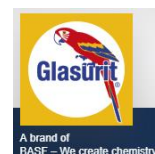
1. Sand and prepare door for paint
2. Mix and spray basecoat
3. Mix and spray clearcoat





Participant Name	School	Assessment Form
		C

Group ID	Description	Assessment Criteria		Max points	Achieved points Names/candidate			
					A	B	C	D
C	Paint basecoat and clear coat							
C1	Health, safety and environment Multiple points deducted for serious/repeated breaking of safety/health rules	Not using gloves	-1p	4				
		Not using mask	-1p					
		Not using painting clothes and hood	-1p					
		Not using safety goggles when washing	-1p					
C2	Sanding Repeated mistakes can mean loss of more points	Use of other than P400/P500 Mirka OSB 4 or gray Scotchbrite (can start with P320 on damage)	-1p	4				
		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 Candidate mixes basecoat RTU (Ready)	1dl over	-1p	2				
		Incorrect mixing	-1p					
C6	Spray basecoat 1st coat - wet 2nd coat - half wet (not always necessary) 3rd coat - effect coats	Incorrect spray gun	-1p	5				
		Not mat surface between coats	-2p					
		Paint runs	-2p					
		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 1st coat - half wet 2nd coat – wet/shiny	Spraying with wrong spray gun	-1p	6				
		First layer dries for more than 3 minutes	-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 points	Not cleaning tools after use	-1p	3				
		Not cleaning the work place	-1p					
		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				