



## TECHNICIAN'S INSTRUCTIONS

### AOM – 225: Application of a Clear Over Base Finish

#### Your objective:

- Select and mix colours and in accordance with the paint manufacturer's data sheets.
- To demonstrate the application of a basecoat and clearcoat.
- To demonstrate how to rectify minor surface defects by using, sanding and polishing techniques.

#### Facilities, equipment and materials that you must check are to hand at the workstation prior to the assessment:

- Personal Protective Equipment (PPE)
- Vehicle protection equipment and materials
- Technical and safety information for the products
- Relevant tinters, basecoats and clearcoats
- A suitable vehicle panel which will be used for the application
- Colour retrieval system
- Colour matching equipment
- Cleaning agents and dispensers
- Cleaning paper/cloth
- Masking materials and dispensers
- Mixing scheme and scales
- Paint consumables, for example: thinners, hardeners tack cloths, mixing pots, paint strainers, disposable paint pots and additives
- Spray guns
- Spray gun cleaning equipment
- Paint test cards and /or panels
- Drying and curing equipment
- Abrasives for fault rectification / dirt inclusions
- Polishing equipment



**Complete the following tasks:**

1. Set up and wear the appropriate personal protective equipment.
2. Consult relevant technical information and ensure that ADAS systems are not affected by the refinishing processes.
3. Identify the foundation and substrate material.
4. Select the correct colour and shade.
5. Prepare and mix the paints and clearcoats as stated by the paint manufacturer.
6. Set up, adjust and test the spraying equipment.
7. Apply the basecoat in accordance with the paint manufacturer's guidelines.
8. Mix the clearcoat as stated by the paint manufacturer.
9. Apply the clearcoat in accordance with the paint manufacturer's guidelines.
10. Check the newly apply coatings for evenness and any surface defects.
11. Carry out quality checks to the cured surface, identify any defects and rectify them where applicable.

**Time limit – 2 hours (Excluding any drying or curing times)**

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## WORKSTATION REQUIREMENTS

### AOM – 225: Application of a Clear Over Base Finish

#### Facilities, equipment and materials required at the workstation:

- Personal Protective Equipment (PPE)
- Vehicle protection equipment and materials
- Technical and safety information for the products
- Relevant tinters, basecoats and clearcoats
- A suitable vehicle panel which will be used for application
- A suitable vehicle or panel for colour matching (with the colour code or reference available)
- Rubbing compound, polish and cloth
- Colour retrieval system
- Colour matching equipment
- Cleaning agents and dispensers
- Cleaning paper/cloth
- Masking materials and dispensers
- Mixing scheme and scales
- Paint consumables, for example: thinners, hardeners tack cloths, mixing pots, paint strainers, disposable paint pots and blending / fade out products.
- Spray guns
- Spray gun cleaning equipment
- Paint test cards and /or panels
- Drying and curing equipment
- Abrasives for fault rectification / dirt inclusions
- Polishing equipment



**Workstation set up required:**

- Provide all the tools, equipment, products and consumables which are appropriate for this task

**Note:** *All Material Safety Data Sheets and Technical Data Sheets must be available*

- Provide the personal protection equipment in conjunction with the *Material Safety Data Sheets*.
- Provide vehicle protection and masking equipment - any dispensers must be working efficiently.
- Provide cleaning and static removal equipment.
- Supply a new vehicle panel or a previously painted vehicle panel which has been prepared to accept the topcoats required by this assessment. **Note:** This panel can be the same one which has been used throughout the paint accreditation assessment.
- Provide colour matching and colour retrieval equipment.
- Supply mixing and measuring equipment which is suitable for the task.
- Provide the equipment to carry out a viscosity check.
- Provide spray guns which contain the set ups for the products used within this task.
- Provide paint spraying equipment which is appropriate for this task.
- Provide equipment to dry and cure the paints and clearcoat.
- Provide spray gun cleaning equipment which is appropriate for the products used
- Provide equipment which is suitable to dry and cure the coatings used in this task.
- Supply tools and equipment to rectify paint surface defects, such as dirt inclusions.
- Supply the appropriate disposal bins for different types of contaminated waste.
- Check and ensure the work areas are clean and free from contaminants.



ASSESSMENT RESULTS SHEET

AOM – 225: Application of a Clear Over Base Finish

Technician’s Name:

Registration Number:

Assessor’s Name:

Date: / /

Start time:

Completion time:

Critical competences <b>The candidate:</b>	Achieved
Set up and wore the appropriate personal protective equipment. Comments:	
Consulted relevant technical information and ensure that ADAS systems are <b>not</b> affected by the refinishing processes. Comments:	
Identified the foundation and substrate material. Comments:	
Selected the correct colour and shade. Comments:	
Prepared and mixed the paints and clearcoats as stated by the paint manufacturer. Comments:	
Set up, adjusted and tested the spraying equipment. Comments:	
Applied the colour and clearcoat to a spray out card or test panel Comments:	
Applied the basecoat and coat using the paint manufacturer's guidelines. Comments:	
Mixed the clearcoat as stated by the paint manufacturer.	



Comments:	
Applied the clearcoat in accordance with the paint manufacturer's guidelines.	
Comments:	
Checked the newly applied coatings for evenness and any surface defects.	
Comments:	
Cured the applied coatings as stated by the paint manufacturer.	
Comments:	
Rectified any minor surface defects, for example dirt inclusions.	
Comments:	
Disposed of waste materials safely and legally.	
Comments:	
Cleaned all the equipment.	
Comments:	
Carried out quality checks to the cured surface and identified any defects and state how to rectify them.	
Comments:	
Worked safely, obeying safe working practices throughout the assessment.	
Comments:	
Cleaned and left the work area safe on completion of the tasks.	
Comments:	
Completed the task in the allocated time (2 hours).	
Comments:	



Assessor comments:

Assessor's signature:

PASS / REFERRED

Assessor's PIN:

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