



Australian Government

**AURVTP124 Apply clear over base
multi-layer and pearl refinishing materials
to vehicle body components**

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to mix and apply clear over base (COB) multi-layer and pearl refinishing materials to vehicle body components. This unit involves preparing for the task, selecting and using specialist tools and equipment, identifying paint defects, preparing vehicle surfaces, selecting, mixing and applying refinishing materials according to manufacturer specifications, and completing workplace processes and documentation.

The unit applies to those working in the automotive refinishing industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Vehicle Body Technical - Paint

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Identify job requirements from workplace instructions 1.2 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures 1.3 Identify tools, equipment and chemicals required for repair activity and establish serviceability according to workplace procedures
2. Mix COB multi-layer and pearl refinishing	2.1 Calculate and mix refinishing materials according to workplace procedures, and paint manufacturer specifications,

ELEMENTS	PERFORMANCE CRITERIA
materials	formulas and codes 2.2 Record codes and information relevant to job requirements 2.3 Carry out mixing activities according to workplace procedures
3. Apply COB multi-layer and pearl refinishing materials	3.1 Apply refinishing materials using manufacturer recommended method and intervals according to workplace procedures 3.2 Dry refinishing materials and equipment according to workplace procedures 3.3 Apply refinishing techniques to ensure painted surface meets job requirements 3.4 Rectify paint surface faults using compounds, polishes and glazes to blend rectified areas with existing paintwork according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Complete documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently
Reading	- Interprets workplace instructions such as job cards - Organises and interprets technical information from workplace procedures, manufacturer specifications, industry standards and paint technical data sheets (TDS) and safety data sheets (SDS).
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Numeracy	- Interprets paint codes and formulas - Sets and adjusts settings for: - spray painting air pressure - paint measuring system

SKILL	DESCRIPTION
	• spray booth temperature settings • Uses basic mathematical operations, including addition, subtraction, multiplication and division to: • determine ratios • measure and calculate quantities of paint and materials.
Planning and organising	• Plans own work requirements • Prioritises actions to achieve required outcomes • Ensures tasks are completed within workplace timeframes.
Technology	• Uses specialist equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTP024 Apply clear over base multi-layer and pearl refinishing materials to vehicle body components.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURVTP124 Apply clear over base multi-layer and pearl refinishing materials to vehicle body components

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- mix and apply clear over base (COB) multi-layer pearl refinishing materials on at least three different vehicles, at least two of which must include a different vehicle body component from among the following:
 - single vehicle panel
 - full vehicle side
 - vehicle front end or rear end.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to apply clear over base multi-layer and pearl refinishing materials to vehicle body components, including:
 - vehicle paint specifications
- workplace procedures required to apply clear over base multi-layer and pearl refinishing materials to vehicle body components including:
 - establishing the serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures

- workplace health and safety (WHS) requirements relating to applying clear over base multi-layer and pearl refinishing materials to vehicle body components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for COB two-pack paint
 - handling and storing paint materials
 - using tools and equipment
 - using approved drying area
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- types and application methods for automotive paint, including correct use of positive air feed masks
- types and uses of refinishing materials, including:
 - metallic, pearl two-pack base coat
 - clear two-pack acrylic enamel
 - water-based paints
 - hardeners
 - paint reducers
- mixing and application techniques for COB multi-layer and pearl refinishing materials, including:
 - paint mixing techniques and systems
 - visual colour matching techniques and use of colour test cards
 - paint fault identification and rectification methods for COB multi-layer and pearl refinishing materials
- types and uses of paint colour matching equipment, including:
 - set-up and operation of paint mixing system
 - set-up, operation and maintenance of spray guns
 - paint drying equipment
 - paint cleaning materials and equipment
- procedures for protecting vehicles and components when applying refinishing materials
- procedures for final inspection of completed COB multi-layer pearl application.

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of task.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the COB refinishing materials they have applied to vehicle body components, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive repair workplace or simulated workplace
- workplace instructions
- paint and vehicle manufacturer specifications, paint codes
- TDS and SDS for COB multi-layer and pearl refinishing materials
- PPE, including positive air feed masks
- materials to apply COB multi-layer and pearl refinishing materials
- COB refinishing materials
- three different vehicles or panels requiring painting with COB multi-layer and pearl refinishing materials
- tools, equipment and materials appropriate for mixing and applying COB multi-layer and pearl refinishing materials.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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