



Australian Government

AURVTP019 Prepare and paint plastic and composite vehicle surfaces

Release: 1

AURVTP019 Prepare and paint plastic and composite vehicle surfaces

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to prepare and apply refinishing materials to plastic and composite vehicle surfaces. It involves preparing for the task, selecting and using specialist tools and equipment, preparing components, mixing and applying paint materials to plastic or composite components according to paint manufacturer specifications, and completing workplace processes and documentation.

It applies to those working in the automotive paint refinishing repair industry.

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

Competency Field

Vehicle Body

Unit Sector

Technical - Paint

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to paint plastic and composite components	1.1 Job requirements are determined from workplace instructions 1.2 <i>Paint information</i> is accessed and interpreted 1.3 Plastic paint <i>materials</i> are selected and inspected for quality 1.4 Hazards associated with the work are identified and risks are

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
	managed 1.5 <i>Paint tools and equipment</i> and personal protective equipment (PPE) are identified and checked for serviceability 1.6 Work is planned to identify preparation and painting methods, minimise waste, and prevent damage to vehicle
2. Clean plastic or composite surface	2.1 Surface is prepared for refinishing according to paint manufacturer technical specifications and <i>safety and environmental requirements</i> 2.2 Surface is checked to ensure it is free of oil, dust and other contaminants 2.3 Surface preparation is completed without causing damage to vehicle, other components and systems
3. Apply refinishing material	3.1 Plastic or composite refinishing material is applied according to paint manufacturer approved methods 3.2 Refinishing material is dried using approved methods and equipment 3.3 Painted area is polished and finished using approved techniques and equipment 3.4 <i>Paint finish is checked</i> against specifications 3.5 Refinishing is completed without causing damage to surrounding painted areas and components
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations and component is presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 4.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

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

Skills	Description
---------------	--------------------

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills to:	- clarify instructions and procedures - clearly report quality issues and job outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition, subtraction, multiplication and division to: - calculate quantities of refinishing materials - measure and determine ratios for mixing refinishing materials - set painting air pressure and drying equipment.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology skills to:	use specialist paint refinishing tools and equipment.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Paint information</i> must include:	- paint manufacturer specifications - paint technical data sheets (TDS) - paint safety data sheets (SDS) - workplace procedures.
<i>Materials</i> must include:	- approved abrasive papers - suitable fillers - two-pack urethane acrylic enamels - metallic two-pack and clear acrylic lacquers - pearl finishes - water-based finishes - paint thinners and reducers - cleaning materials - suitable primers - anti-static cleaning agents - flexible additives.
<i>Paint tools and equipment</i>	spray guns

must include:	• air pressure regulators and air compressors • approved spray area.
<i>Safety and environmental requirements</i> must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: • selecting and using PPE • using TDS and SDS for paint materials • handling and storing paint materials • using tools and equipment • environmental requirements, including procedures for trapping, storing and disposing of waste materials.
<i>Checking paint finish</i> must include:	• checking colour, texture, depth and gloss • ensuring paint finish is free of defects • ensuring paint finish blends into surrounding surfaces.

Unit Mapping Information

Equivalent to AURVTP3019 Prepare and paint plastic components

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURVTP019 Prepare and paint plastic and composite vehicle surfaces

Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- prepare, paint and polish three different plastic and composite vehicle surfaces, in which the work must involve:
 - one plastic vehicle surface
 - one composite vehicle surface.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to preparing and painting plastic and composite vehicle surfaces, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for paint materials
 - 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
- paint manufacturer specifications and recommended application methods
- types and use of plastic and composite painting and refinishing materials
- plastic and composite surface preparation techniques
- paint application methods and techniques, including:
 - spray and drying equipment

- paint fault and rectification procedures
- paint drying methods
- polishing methods and equipment
- correct use of positive air feed masks
- using approved drying area
- types and use of spray guns, including:
 - spray gun operation and spraying techniques
 - spray gun cleaning and maintenance methods
- procedures for protecting vehicle and components when painting vehicle components
- procedures for final inspection of painted plastic and composite components.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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 plastic and composite vehicle surfaces that they have painted, 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
- TDS and SDS for paint materials
- PPE required to prepare and paint plastic and composite vehicle components
- materials required to prepare and paint plastic and composite vehicle components
- plastic and composite components specified in the performance evidence requiring painting
- tools, equipment and materials appropriate for preparing and painting plastic and composite vehicle surfaces.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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