



Australian Government

AURVTP125 Apply water-based refinishing materials to vehicle bodies and substrates

Release: 1

AURVTP125 Apply water-based refinishing materials to vehicle bodies and substrates

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 water-based refinishing materials in order to refinish a variety of vehicle bodies and substrates. This unit involves preparing for the task, selecting and using specialist tools and equipment, identifying paint defects, preparing surfaces, selecting, mixing and applying water-based 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 water-based refinishing materials	2.1 Calculate and mix water-based paint materials according to paint manufacturer specifications, formulas, codes and

ELEMENTS	PERFORMANCE CRITERIA
	workplace procedures 2.2 Record codes and information relevant to job requirements
3. Apply water-based refinishing materials	3.1 Apply refinishing materials using manufacturer recommended method and intervals, and techniques that ensure painted surface meets job requirements, according to workplace procedures 3.2 Dry refinishing materials using approved methods and equipment
4. Rectify paint faults	4.1 Identify paint faults according to workplace procedures 4.2 Select rectification procedures according to fault or damage type 4.3 Select materials to rectify paintwork from paint manufacturer information 4.4 Rectify paint surface faults using compounds, polishes and glazes to blend rectified areas with existing paintwork
5. Complete work processes	5.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 5.2 Clear work area and dispose of or recycle materials according to workplace procedures 5.3 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.

SKILL	DESCRIPTION
Numeracy	• Interprets paint codes and formulas • Sets and adjusts settings for: • spray painting air pressure • paint measuring system • 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 AURVTP025 Apply water-based refinishing materials to vehicle bodies and substrates.

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 AURVTP125 Apply water-based refinishing materials to vehicle bodies and substrates

Modification History

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

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:

- apply water-based refinishing materials on at least three different vehicle substrates, at least two of which must include a different vehicle body component from among the following:
 - 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 water-based refinishing materials to vehicle bodies and substrates, including:
 - paint manufacturer specifications
- workplace procedures required to apply water-based refinishing materials to vehicle bodies and substrates 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 water-based refinishing materials to vehicle bodies and substrates, including procedures for:

- selecting and using personal protective equipment (PPE)
- using technical data sheets (TDS) and safety data sheets (SDS) for water-based paint
- handling and storing paint materials
- using tools and equipment
- using approved drying area
- environmental requirements relating to applying water-based refinishing materials to vehicle bodies and substrates, including procedures for trapping, storing and disposing of waste materials
- types and uses of refinishing materials, including:
 - water-based solid, metallic and pearl paint materials
 - water-based paint reducers and hardeners
 - cleaning materials
- types and application methods for automotive water-based refinishing materials, including correct use of positive air feed masks
- mixing and application techniques for water-based refinishing materials, including:
 - paint mixing techniques and systems
 - paint fault identification and rectification methods for water-based refinishing materials
- types and use of equipment used in water-based refinishing processes, 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 vehicle and components when applying refinishing materials
- procedures for final inspection of applied water-based refinishing materials.

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 having applied water-based refinishing materials to vehicle bodies and substrates, 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 water-based paint
- PPE, including positive air feed masks
- water-based refinishing materials
- three different vehicle substrates specified in the performance evidence requiring painting with water-based refinishing materials
- tools, equipment and materials appropriate for mixing and applying water-based refinishing materials to vehicle bodies and substrates.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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