



Australian Government

AURVTP006 Apply refinishing primers to vehicle surfaces

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to prepare vehicle surfaces and then apply refinishing primers to them prior to final paint coats. It involves preparing for the task, selecting and using specialist tools and equipment, mixing and applying automotive primers to substrate surfaces according to 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

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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.

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1. Prepare for work	1.1 Job requirements are determined from workplace instructions 1.2 <i>Primer information and procedures</i> are sourced and interpreted 1.3 <i>Materials</i> are selected and checked for quality 1.4 Hazards associated with the work are identified and risks are managed 1.5 Painting <i>tools and equipment</i> are selected and checked for serviceability 1.6 Work is planned to identify <i>preparation methods</i> , minimise waste, and use time efficiently
2. Prepare surfaces and apply primers prior to final paint coats	2.1 <i>Components</i> are inspected and unrecorded damage to paint surface is recorded and reported 2.2 Components and paint surfaces surrounding paint repair are protected using masking materials and approved methods, and according to <i>safety and environmental requirements</i> 2.3 Surfaces to be primed are cleaned, contaminants removed, and undamaged areas masked off 2.4 Recommended surface primers are applied using approved methods, materials and equipment 2.5 Priming is completed without causing damage to vehicle systems and components
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and vehicle surface is presented ready for final paint coats 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 3.4 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
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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 and subtraction, to calculate quantities and measure primers.
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 electronically controlled spray painting booths and mixing systems - use specialist painting 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>Primer information and procedures</i> must include:	- paint manufacturer specifications - paint technical data sheets (TDS) - paint safety data sheets (SDS) - workplace procedures.
<i>Materials</i> must include:	- primers, including aerosol primers - hardeners - reducers - wet and dry abrasives - cleaning materials - masking materials.
<i>Tools and equipment</i> must include:	- cleaning equipment - spray painting equipment - rubbing down equipment.
<i>Preparation methods</i> must include:	- wet and dry sanding - masking - chemical cleaning - priming - touching up - wet on wet application.

Components must include:	• in situ panels • doors • mud guards • bonnets.
Safety and environmental requirements must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: • selecting and using personal protective equipment (PPE) • using TDS and SDS for paint primers • handling and storing paint materials • using tools and equipment • environmental requirements, including procedures for trapping, storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTP2006 Prepare vehicle components for paint repairs

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 AURVTP006 Apply refinishing primers to vehicle surfaces

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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 and apply the following refinishing primers according to paint manufacturer specifications on two different vehicle panels or substrates to a minimum area of 300 mm x 200 mm:
 - epoxy
 - acid-based
 - ultraviolet (UV) cured
 - sealant
 - non-sandable
 - adhesion promoters.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to applying refinishing primers to vehicle surfaces, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for paint primers
 - handling and storing paint materials
 - using tools and equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- paint manufacturer specifications
- types and uses of primers specified in the performance evidence

- surface preparation and primer mixing and application techniques, including:
 - cleaning paint repair areas
 - wet and dry rubbing procedures
 - correct use of positive air feed masks
 - masking techniques
 - primer application methods
 - paint drying methods
- types of abrasives and grading
- types and use of spray painting equipment and maintenance requirements
- procedures for protecting undamaged vehicle and components when applying refinishing primers
- procedures for final inspection of completed primed surface.

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 vehicle surfaces they have prepared and primed, 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 primers
- PPE to apply primers for paint repairs
- primers and materials, including:
 - epoxy primer
 - acid-based primer
 - UV cured primer
 - sealant
 - non-sandable
 - adhesion promoters
- two different vehicles or substrates requiring preparation and primer application
- tools, equipment and materials appropriate for preparing vehicle surfaces and mixing and applying primers.

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