



Australian Government

AURVTP012 Apply air dry and polyurethane refinishing materials

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 apply air dry and polyurethane refinishing materials to a variety of vehicle components by spray gun application. It involves preparing for the task, selecting and using specialist tools and equipment, mixing and applying automotive paint materials 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

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 apply air dry and polyurethane refinishing materials	1.1 Job requirements are determined from workplace instructions 1.2 <i>Application information</i> is accessed and interpreted 1.3 <i>Refinishing materials</i> are selected and inspected for quality 1.4 Hazards associated with the work are identified and risks are

Elements	Performance Criteria
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	managed 1.5 Tools and equipment, including personal protective equipment (PPE), are identified and checked for serviceability 1.6 Work is planned to identify air dry and polyurethane refinishing method, minimise waste, and prevent damage to vehicle
2. Carry out application activities	2.1 Refinishing materials are mixed and applied according to manufacturer recommended intervals and <i>safety and environmental requirements</i>, and without causing damage to system or components 2.2 Refinishing materials are dried using approved methods and equipment 2.3 <i>Paint finish is checked</i> against specifications 2.4 Paint surface faults are removed using compounds, polishes and glazes
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and vehicle or component is presented ready for use 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
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,

Skills	Description
	subtraction, multiplication and division to: - calculate quantities of required materials - measure and determine ratios for mixing paint materials - set spraying 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 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>Application information</i> must include:	- manufacturer specifications - workplace procedures - paint safety data sheets (SDS) - paint technical data sheets (TDS).
<i>Refinishing materials</i> must include:	- air dry synthetic enamels - enamel additives - polyurethane enamels - paint reducers.
<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 polyurethane refinishing 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.
<i>Checking paint finish</i> must include:	- checking colour, texture, depth and gloss - ensuring paint finish is contaminant-free - ensuring paint finish blends into surrounding surfaces.

Unit Mapping Information

Equivalent to AURVTP3012 Apply air dry and polyurethane enamel refinishing materials

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 AURVTP012 Apply air dry and polyurethane refinishing materials

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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:

- apply air dry and polyurethane refinishing materials to two different vehicle body components, in which the work must involve:
 - one component using paint with additive
 - one component using paint without additive.

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 air dry and polyurethane refinishing materials, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for polyurethane refinishing 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
- types and use of air dry and polyurethane refinishing materials
- air dry and polyurethane refinishing material application methods and techniques, including:
 - spray and drying equipment

- paint fault and rectification procedures
- drying methods for air dry and polyurethane refinishing materials
- correct use of positive air feed masks
- 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 applying paints
- procedures for final inspection of polyurethane refinished 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 air dry and polyurethane refinishing materials they have applied to vehicle 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
- manufacturer specifications
- TDS and SDS for air dry and polyurethane refinishing materials
- PPE required to apply air dry and polyurethane refinishing materials
- air dry and polyurethane refinishing materials
- two different vehicles requiring the application of air dry and polyurethane refinishing material
- tools, equipment and materials appropriate for applying air dry and polyurethane refinishing material.

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