



Australian Government

AURVTP112 Apply air dry and polyurethane refinishing materials

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 apply air dry and polyurethane refinishing materials to a variety of vehicle components by spray gun application. This unit 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.

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. Carry out application activities	2.1 Mix and apply refinishing materials according to workplace procedures, manufacturer's specifications, workplace health and safety and environmental requirements

ELEMENTS	PERFORMANCE CRITERIA
	2.2 Dry refinishing materials according to workplace procedures 2.3 Check paint finish against manufacturers specifications 2.4 Remove paint surface faults using compounds, polishes and glazes
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 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	- Uses basic mathematical operations, including addition, subtraction, multiplication and division to: - calculate quantities of required materials - measure and determine ratios for mixing paint materials - Sets spraying and drying equipment.
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 AURVTP012 Apply air dry and polyurethane enamel refinishing materials.

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 AURVTP112 Apply air dry and polyurethane refinishing materials

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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:

- apply air dry and polyurethane refinishing materials to at least two different vehicle body components, including:
 - at least one component using paint with additive
 - at least one component using paint without additive.

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 air dry and polyurethane refinishing materials, including:
 - paint manufacturer's specifications
- workplace procedures required to apply air dry and polyurethane refinishing materials 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 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 relating to applying air dry and polyurethane refinishing materials, including procedures for trapping, storing and disposing of waste materials
- types and use of air dry and polyurethane refinishing materials, including:
 - air dry synthetic enamels
 - enamel additives
 - polyurethane enamels
 - paint reducers
- 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:
 - checking colour, texture, depth and gloss
 - ensuring paint finish is contaminant-free
 - ensuring paint finish blends into surrounding surfaces.

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 tasks.

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.

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

Links

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