



**Australian Government**

# **AURVTP012 Apply air dry and polyurethane refinishing materials**

**Release: 1**

# AURVTP012 Apply air dry and polyurethane refinishing materials

## 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<br>1.2 <b><i>Application information</i></b> is accessed and interpreted<br>1.3 <b><i>Refinishing materials</i></b> are selected and inspected for quality<br>1.4 Hazards associated with the work are identified and risks are |

| <b>Elements</b>                           | <b>Performance Criteria</b>   |
|---|---|
| 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.   |
|   | <p>managed</p> <p>1.5 Tools and equipment, including personal protective equipment (PPE), are identified and checked for serviceability</p> <p>1.6 Work is planned to identify air dry and polyurethane refinishing method, minimise waste, and prevent damage to vehicle</p>   |
| 2. Carry out application activities       | <p>2.1 Refinishing materials are mixed and applied according to manufacturer recommended intervals and <b><i>safety and environmental requirements</i></b>, and without causing damage to system or components</p> <p>2.2 Refinishing materials are dried using approved methods and equipment</p> <p>2.3 <b><i>Paint finish is checked</i></b> against specifications</p> <p>2.4 Paint surface faults are removed using compounds, polishes and glazes</p>             |
| 3. Complete work processes                | <p>3.1 Final inspection is made to ensure work meets workplace expectations and vehicle or component is presented ready for use</p> <p>3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored</p> <p>3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures</p> <p>3.4 Workplace documentation is processed according to workplace procedures</p> |

## 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.

| <b>Skills</b>                 | <b>Description</b>   |
|-------------------------------|--|
| Learning skills to:           | <ul style="list-style-type: none"> <li>locate appropriate sources of information efficiently.</li> </ul>                                       |
| Writing skills to:            | <ul style="list-style-type: none"> <li>legibly and accurately fill out workplace documentation.</li> </ul>                                     |
| Oral communication skills to: | <ul style="list-style-type: none"> <li>clarify instructions and procedures</li> <li>clearly report quality issues and job outcomes.</li> </ul> |
| Numeracy skills to:           | <ul style="list-style-type: none"> <li>use basic mathematical operations, including addition,</li> </ul>                                       |

| Skills                             | Description  |
|------------------------------------|--|
|                                    | subtraction, multiplication and division to: <ul style="list-style-type: none"> <li>• calculate quantities of required materials</li> <li>• measure and determine ratios for mixing paint materials</li> <li>• set spraying and drying equipment.</li> </ul> |
| Planning and organising skills to: | <ul style="list-style-type: none"> <li>• plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.</li> </ul>   |
| Technology skills to:              | <ul style="list-style-type: none"> <li>• use specialist paint equipment.</li> </ul>  |

## 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.

|   |   |
|---|---|
| <b><i>Application information</i></b> must include:               | <ul style="list-style-type: none"> <li>• manufacturer specifications</li> <li>• workplace procedures</li> <li>• paint safety data sheets (SDS)</li> <li>• paint technical data sheets (TDS).</li> </ul>   |
| <b><i>Refinishing materials</i></b> must include:                 | <ul style="list-style-type: none"> <li>• air dry synthetic enamels</li> <li>• enamel additives</li> <li>• polyurethane enamels</li> <li>• paint reducers.</li> </ul>  |
| <b><i>Safety and environmental requirements</i></b> must include: | <ul style="list-style-type: none"> <li>• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for:               <ul style="list-style-type: none"> <li>• selecting and using PPE</li> <li>• using TDS and SDS for polyurethane refinishing materials</li> <li>• handling and storing paint materials</li> <li>• using tools and equipment</li> <li>• using approved drying area</li> </ul> </li> <li>• environmental requirements, including procedures for trapping, storing and disposing of waste materials.</li> </ul> |
| <b><i>Checking paint finish</i></b> must include:                 | <ul style="list-style-type: none"> <li>• checking colour, texture, depth and gloss</li> <li>• ensuring paint finish is contaminant-free</li> <li>• ensuring paint finish blends into surrounding surfaces.</li> </ul>   |

## **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.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>