

<b>Title</b>	<b>Demonstrate knowledge of colours and finish coats in the motor industry</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	This theory-based unit standard is for people who work in the motor industry. People credited with this unit standard are able to demonstrate knowledge of paint colours, and of motor vehicle finish coats.
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<b>Classification</b>	Motor Industry > Vehicle Bodywork
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references  
Performance of the outcome of this unit standard must comply with the following:  
Hazardous Substances and New Organisms Act 1996;  
Health and Safety at Work Act 2015;  
Spray Coating Regulations 1962;  
*Approved Code of Practice for the Safe Use of Isocyanates* (WorkSafe).
- 2 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 3 *Approved Code of Practice for the Safe Use of Isocyanates* is available online from the WorkSafe website <http://www.business.govt.nz/worksafe/>.
- 4 Definitions  
*Company requirements* refer to instructions to staff on policy and procedures which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – company specifications and procedures, work instructions, manufacturer specifications, product quality specifications and legislative requirements.  
*Service information* may include but is not limited to – technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations. This may be accessed from the manufacturer.
- 5 Assessment  
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, company and legislative requirements.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of paint colours.

#### Performance criteria

- 1.1 Paint colours spectrum is explained.
- Range red, orange, yellow, green, blue, indigo, violet.
- 1.2 Primary and secondary colours and their application to paints are identified according to the product manufacturer's colour charts.
- Range primary – red, yellow, blue; secondary – green, orange, violet.
- 1.3 The use of tinters is explained.
- Range mixing colours, matching colours.

### Outcome 2

Demonstrate knowledge of motor vehicle finish coats.

#### Performance criteria

- 2.1 Kinds of finish coats used on motor vehicles are identified.
- Range includes but is not limited to – solid colours, clear-over-solid colours, metallic colours, pearl colours; two pack paints, single pack paints, water-borne paints.
- 2.2 Purpose of finish coats is described.
- Range protection, comfort, visual.
- 2.3 Colour effect of finish coats is described.
- Range may include but is not limited to – solid colours, metallic colours, clear-over-base, pearl, tinted clears, graphite, special effects. evidence of five is required.
- 2.4 Mixing, thinning, using, and application instructions are identified and explained.
- 2.5 Safety precautions required when using finishing coats are identified.

<b>Replacement information</b>	This unit standard and unit standard 21696 replaced unit standard 3872 and unit standard 3882.
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<b>Planned review date</b>	31 December 2027
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2018
Review	2	21 April 2016	31 December 2027
Review	3	25 May 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.