

<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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### Explanatory notes

- 1 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 (this includes the knowledge and/or use of suitable tools and equipment).
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of including updated amendments to, and replacements of – 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).
- 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.

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### Outcomes and evidence requirements

#### Outcome 1

Demonstrate knowledge of paint colours.

**Evidence requirements**

- 1.1 Colours of the spectrum are 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.

**Evidence requirements**

- 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 includes but is not limited to five of – solid colours, metallic colours, clear-over-base, pearl, tinted clears, graphite, special effects.
- 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 2021
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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	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>.

#### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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#### Comments on this unit standard

Please contact the MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.