

<b>Title</b>	<b>Touch up paintwork on a vehicle using two pack solid and Clear-Over-Base (COB) colours</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	This unit standard is for people who work in the automotive refinishing industry. People credited with this unit standard are able to: check the preparation; prepare and touch up two pack solid colours; and prepare and touch up COB finishes, on a vehicle.
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<b>Classification</b>	Motor Industry > Automotive Refinishing
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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.  
*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

**5 Range**

Assessment against this unit standard applies to touching up five of each of COB solid colour, COB metallic colour, and pearl (mica) colour.

**6 Assessment**

For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

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.

**7 Recommended skills and knowledge**

Unit 24002, *Mask an area for two pack painting in the automotive refinishing industry*;  
Unit 24005, *Use primers, fillers, and sealers, and prepare paint for top coats in the automotive refinishing industry*;

Unit 24016, *Demonstrate knowledge of touching up two pack solid and Clear-Over-Base (COB) finishes on a vehicle*; or demonstrate equivalent knowledge and skills.

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**Outcomes and performance criteria****Outcome 1**

Check the preparation on a vehicle.

**Performance criteria**

1.1 Surface is checked for defects.

Range sanding defects, repair defects, no missed sanding.

1.2 Masking is secure and smooth.

Range no loose masking, remasking as necessary, all edges secure.

1.3 Surface is cleaned.

Range solvent wash, blow off dust, tack off dust.

**Outcome 2**

Prepare and touch up two pack solid colours on a vehicle.

**Performance criteria**

2.1 Colour is determined and paint is prepared.

Range reducing and mixing ratios, colour mixing and matching, straining, scales, measuring stick and paint container.

- 2.2 Suitable tools and equipment are selected and used that enable the top coats to be applied.
- Range spray gun, air-fed respirator, gloves, dust free overalls, head covering, spray booth.
- 2.3 Spray gun is tested and adjusted.
- Range may include but is not limited to – gravity feed or suction feed; set up equipment, air pressure adjustment, fan adjustment, fluid adjustment, high volume low pressure (HVLP).
- 2.4 Paint application requirements are identified and complied with.
- Range personal safety; safety of other people; vehicle safety; workshop safety; environmental safety; tool, equipment, and machine safety; precautions taken to avoid solvent, isocyanate and paint inhalation and absorption; spray booth safety.
- 2.5 Basecoat is applied ensuring there is no difference in colour between the touched up and adjacent areas.
- Range blending out, flash off, gun technique.
- 2.6 Topcoat is applied.
- 2.7 Paint is dried.
- Range force dried, chemical reaction.
- 2.8 The surface is checked and minor defects are rectified.
- Range surface is free of – dirt, runs, dryspray, orange peel, sink back.
- 2.9 Tools and equipment are cleaned and put away, and the work area is cleaned.
- 2.10 Materials are stored.

### **Outcome 3**

Prepare and touch up COB finish on a vehicle.

#### **Performance criteria**

- 3.1 Colour is identified and base colour is prepared.
- Range reducing and mixing ratios, colour mixing and matching, straining, scales, measuring stick and paint container.

3.2 Suitable tools and equipment are selected and used that enable the paint to be applied.

Range spray gun, air-fed respirator, gloves, dust free overalls, head covering, spray booth.

3.3 Spray gun is tested and adjusted.

Range may include but is not limited to – gravity feed or suction feed; set up equipment, air pressure adjustment, fan adjustment, fluid adjustment, high volume low pressure (HVLP).

3.4 Paint application requirements are identified and complied with.

Range personal safety; safety of other people; vehicle safety; workshop safety; environmental safety; tool, equipment, and machine safety; solvent, isocyanate and paint inhalation and absorption; spray booth.

3.5 Basecoat is applied ensuring there is no difference in colour between the touched up and adjacent areas.

Range blending out, flash off, gun technique.

3.6 Clearcoat is applied.

3.7 Paint is dried.

Range force dried, chemical reaction.

3.8 The surface is checked and minor defects are rectified.

Range surface is free of – dirt, runs, dryspray, orange peel, sink back.

3.9 Tools and equipment are cleaned and put away, and the work area is cleaned.

3.10 Materials are stored.

<b>Replacement information</b>	This unit standard and unit standard 24016 replaced unit standard 5721 and unit standard 5724.
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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	26 November 2007	31 December 2018
Review	2	21 April 2016	31 December 2027
Review	3	25 May 2023	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

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.