

Title	Touch up the paintwork on a vehicle using three layer pearl finishes		
Level	4	Credits	7

Purpose	This unit standard is for people who work in the automotive refinishing industry. People credited with this unit standard are able to check preparation of vehicle surface for painting, and prepare and apply top coats on a vehicle.
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Classification	Motor Industry > Automotive Refinishing
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Available grade	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 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.

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

6 Recommended skills and knowledge

Unit 24018, *Demonstrate knowledge of touching up pearl finishes on a vehicle*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Check preparation of vehicle surface for painting.

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 apply top coats on a vehicle.

Range groundcoat, pearl coat, two pack clearcoat.

Performance criteria

2.1 Suitable tools and equipment are selected and used.

Range spray gun, spray booth, air-fed respirator, gloves, dust free overalls, head covering, scales, measuring stick and paint container.

2.2 Colour is identified and paint is prepared and matched.

Range may include but is not limited to – reducing and mixing ratios, colour mixing and matching, paint mixed to formula, eye match, let-down panel; straining, scales, measuring stick and paint container.

2.3 Techniques used to apply the paint are identified and used ensuring there is no difference in colour between the applied paint and adjacent panels.

Range spray gun set up and adjustment, air pressure, application technique; blending, groundcoat, pearl coat, flash-off.

2.4 Two pack clearcoat is applied.

Range spray gun set up and adjustment, air pressure, application technique, flash off.

2.5 Paint is dried.

Range may include but is not limited to – force dried, chemical reaction.

2.6 The surface is checked and any minor defects are rectified.

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

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

2.8 Materials are sealed are stored.

Replacement information	This unit standard and unit standard 24018 replaced unit standard 5731.
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Planned review date	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 2022
Review	3	25 May 2023	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.