

Title	Prepare and paint plastic automotive parts		
Level	4	Credits	4

Purpose	This unit standard is for people who work in the automotive refinishing industry. People credited with this unit standard are able to prepare plastic automotive parts for painting, and paint plastic automotive parts
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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, materials, and equipment refer to industry approved tools, materials 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 24014, *Demonstrate knowledge of plastic automotive parts and painting automotive plastics*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare plastic automotive parts for painting.

Range new/unpainted and existing/painted.

Performance criteria

1.1 Suitable tools, materials, and equipment that enable the plastic to be prepared are used.

Range may include but is not limited to – cleaning fluid, anti-static liquid, abrasives, surface conditioning pads and discs, soap and water.

1.2 Type of plastic is identified.

Range may include but is not limited to – solvent test, flexibility test, International Standards Organisation (ISO) code, manufacturer specifications.

1.3 Defects on the part are identified and repaired.

Range may include but is not limited to –
defects – chips, scratches, plastic repair, flaking paint, cracks.
repairs – mild filler, putty, spot filler, texture additive, pore filler.

1.4 Plastic is prepared and cleaned.

Range no release agent, no defects, adhesion for following coats of paint.

1.5 Equipment and materials used for preparation are cleaned and put away, and the work area is cleaned.

Outcome 2

Paint plastic automotive parts.

Range single or two pack paints.

Performance criteria

2.1 Suitable tools and materials that enable the part to be painted are used.

Range materials may include but are not limited to – primers, sealers, additives, texture finish, top coats;
tools may include but are limited to – spray guns, measuring stick and paint container, spraybooth, scales.

2.2 Area with adequate lighting and ventilation is selected to carry out the job.

Range may include but is not limited to – solvent and paint inhalation, personal protection.

2.3 Primer and/or sealer are applied.

Range surface is free from – dirt, runs, flaking paint, cracks, chips, scratches, pin holes, fish eyes.

2.4 Top coats of paint are identified and matched, mixing ratios are identified and used, and the materials are applied.

Range surface is free from – dirt, runs, flaking paint, cracks, chips, scratches, pin holes, fish eyes; no difference in colour to adjacent panels; texture as original.

2.5 Drying times are observed.

2.6 Equipment is cleaned and put away, and materials are sealed and put away.

Replacement information	This unit standard and unit standard 24014 replaced unit standard 5719.
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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 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 if you wish to suggest changes to the content of this unit standard.