

Title	Use primers, fillers, and sealers, and prepare paint for top coats in the automotive refinishing industry		
Level	3	Credits	12

Purpose	This unit standard is for people who wish to enter or are employed in the automotive refinishing industry. People credited with this unit standard are able to: prepare surfaces for primers, fillers, and sealers; prepare and apply primers, fillers, and sealers; and sand the surface, in the automotive refinishing industry.
----------------	--

Classification	Motor Industry > Automotive Refinishing
-----------------------	---

Available grade	Achieved
------------------------	----------

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 both single and two pack paint products.
- 6 **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.
- 7 **Recommended skills and knowledge**
Unit 24004, *Demonstrate knowledge of primers, fillers, and sealers in the automotive refinishing industry*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare surfaces for primers, fillers, and sealers in the automotive refinishing industry.

Performance criteria

- 1.1 Tools, materials, and equipment are identified.
- 1.2 Panels to be prepared are confirmed as being free from contamination.
- 1.3 Paint surface is inspected, any defects are noted and repaired, ensuring there are no irregularities that may impair painting.
- Range** inspection includes but is not limited to – previous panel repairs, chips, scratches, flaking paint, cracking, blistering, rust, dents, no deep sand scratches.
 repairs include but are not limited to – feather edging, dry sanding, wet sanding.
- 1.4 Parts and fittings that are likely to interfere with painting are protected or removed.
- Range** may include but is not limited to – bumpers, lights, mouldings, tow bar, number plates, mirrors, monsoon, decals, badges, aerial, trim, glass, handles, locks, mud flaps, wheels and trims, adjacent painted panels, wipers, guard liners.
- 1.5 Surface to be painted is cleaned.

Outcome 2

Prepare and apply primers, fillers, and sealers in the automotive refinishing industry.

Performance criteria

- 2.1 Suitable tools and equipment are identified and used.
- 2.2 Area with adequate lighting and ventilation is selected to carry out the job in a safe manner.
- Range solvent, isocyanate and paint inhalation and absorption; spray booth/prep booth, air-fed respirator, gloves, overalls, head covering.
- 2.3 Materials are identified and prepared.
- Range may include but is not limited to – ‘ready for use’ (RFU), primer filler, etch primer, etch primer filler, sealers; straining, reducing and mixing ratios.
- 2.4 Spray equipment is used to achieve a surface finish according to company requirements.
- 2.5 Areas are primed, filled, and sealed, ensuring there is no overspray on adjacent fittings or panels.
- 2.6 Tools and equipment are cleaned and put away, and paint materials are stored.

Outcome 3

Sand the surface in the automotive refinishing industry.

Performance criteria

- 3.1 Materials are confirmed as being cured before sanding begins.
- 3.2 Tools, equipment, and materials are identified and used.
- Range may include but is not limited to – sanding blocks, sanding machine, vacuum dry sanding, abrasives, dust mask, guidecoat.
- 3.3 Undercoat and/or primer surfacer or filler are sanded to a smooth surface with no irregularities, deep scratches, or pin holes that will impair painting, and the surface is clean and dry.
- Range may include but is not limited to – wet and/or dry sanding, block sanding, vacuum dry sanding.
- 3.4 Surrounding areas are prepared when carrying out touch up, to enable the paint work to be blended out.
- Range may include but is not limited to – pasted out, surface conditioning pad, fine sanded, masked, cleaned.
- 3.5 Tools and equipment are cleaned and put away, and materials are stored.

Replacement information	This unit standard and unit standard 24004 replaced unit standard 5708.
--------------------------------	---

Planned review date	31 December 2027
----------------------------	------------------

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.