

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.
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Classification	Motor Industry > Automotive Refinishing
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 24004, <i>Demonstrate knowledge of primers, fillers, and sealers in the automotive refinishing industry</i> , or demonstrate equivalent knowledge and skills.

Explanatory notes

- 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).
- 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).
- Approved Code of Practice for the Safe Use of Isocyanates* is available online from the WorkSafe website <http://www.business.govt.nz/worksafe>.
- 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 means 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.

Outcomes and evidence requirements

Outcome 1

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

Evidence requirements

- 1.1 Tools, materials, and equipment are identified and used.
- 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.

Evidence requirements

- 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 identified and used.
- 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.

Evidence requirements

- 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/filler are sanded to a smooth level surface. There are no irregularities, deep scratches, and 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.
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Planned review date	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	26 November 2007	31 December 2018
Review	2	21 April 2016	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>.

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.

Comments on this unit standard

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