

Title	Apply paint by spray methods		
Level	4	Credits	10

Purpose	<p>This unit standard is for people working in the spray painting area of the painting and decorating sector.</p> <p>People credited with this unit standard are able to: plan and prepare to spray paint; prepare materials and application area for spray painting; set up and test spray painting equipment; apply paint using the spray method; and clean up and store spray painting equipment.</p>
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Classification	Construction Trades > Painting and Decorating
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references relevant to this unit standard include – Health and Safety in Employment Act 1992; Resource Management Act 1991; Hazardous Substances and New Organisms Act 1996; available at <http://legislation.govt.nz>; AS/NZS 2311:2009 *Guide to the painting of buildings*; AS/NZS 4114.1:2003 *Spray painting booths, designated spray painting areas and paint mixing rooms – Design, construction and testing*, available at <http://www.standards.co.nz>.
- 2 Definition
Worksite requirements refer to job instructions to candidate on agreed work to be carried out.
- 3 This unit standard must be assessed against in a realistic workplace environment. The candidate must be under realistic time pressures, and use relevant commercial equipment and approved industry techniques.
- 4 Evidence is required of the completion of a minimum of five spray painting jobs.
- 5 Range
paint spraying methods include – airless, air assisted and high-volume, low-pressure (HVLP). Evidence using two spraying methods is required.

Outcomes and performance criteria

Outcome 1

Plan and prepare to spray paint.

Performance criteria

- 1.1 Work instructions and operational details are obtained and confirmed in accordance with worksite requirements.
- 1.2 Safety instructions are followed in accordance with worksite and legislative requirements.
- 1.3 Signage and barricade requirements are identified and implemented in accordance with worksite and legislative requirements.
- 1.4 Plant, tools and equipment are selected to meet the worksite requirements, and checked for serviceability prior to commencement of work in accordance with worksite requirements.
- 1.5 Material quantities are calculated to meet the job requirements in accordance with worksite requirements.
- 1.6 Any environmental requirements are identified in accordance with worksite and legislative requirements.

Outcome 2

Prepare materials and application area for spray painting.

Performance criteria

- 2.1 Area is set up for spray painting in accordance with worksite requirements and the spray system being used.
- 2.2 Adjoining surfaces to application area are protected in accordance with worksite requirements.
- 2.3 Ventilation required for the application area is provided in accordance with worksite and legislative requirements.
- 2.4 Application area is kept free of dust and foreign matter in accordance with worksite requirements.
- 2.5 Materials required to meet the job requirements are identified, located and prepared ready for use in accordance with worksite requirements.
- 2.6 Paint is mixed and viscosity adjusted, where required, for the application process in accordance with manufacturer's specifications and worksite requirements.

Outcome 3

Set up and test spray painting equipment.

Performance criteria

- 3.1 Spray painting equipment and accessories are identified, in accordance with manufacturer's specifications and worksite requirements.
- 3.2 Lines for the spray system are identified and contained so paint cannot reach and penetrate into the skin of workers and other people around them, and are in accordance with manufacturer's specifications and workplace requirements.
- 3.3 Fittings are checked for function and security prior to use in accordance with manufacturer's specifications and worksite requirements.
- 3.4 Safety devices are identified and tested and any defects corrected in accordance with manufacturer's specifications and worksite requirements.

Outcome 4

Apply paint using the spray method.

Performance criteria

- 4.1 Spray equipment is operated in accordance with manufacturer's specifications and worksite requirements.
- 4.2 Paint is applied to surface to achieve an even finish in accordance with worksite requirements.
- 4.3 Any defects in the paint application are identified and corrective action is taken to achieve required spray paint finish in accordance with worksite requirements.

Outcome 5

Clean up and store spray painting equipment.

Performance criteria

- 5.1 Spray gun, associated components and equipment is dismantled, checked, cleaned and maintained in accordance with manufacturer's specifications and worksite requirements.
- 5.2 Spray paint materials and solvents are stored in accordance with manufacturer's specifications and worksite and legislative requirements.
- 5.3 Work area is cleared and materials are disposed of, reused, or recycled in accordance with worksite and legislative requirements.

Replacement information

This unit standard was replaced by skill standard 40512.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 August 2011	31 December 2016
Review	2	19 February 2015	31 December 2026
Review	3	24 April 2025	31 December 2028

Consent and Moderation Requirements (CMR) reference

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.