

<b>Title</b>	<b>Apply protective paint coating systems</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This specialist unit standard is for people working in the protective coatings area of the painting and decorating sector.</p> <p>People credited with this unit standard are able to: plan and prepare to apply protective paint coating systems; apply protective coating system; and clean up and store equipment used for applying protective coatings.</p>
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<b>Classification</b>	Construction Trades > Painting and Decorating
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<b>Available grade</b>	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 2312:2002 and Amendment 1 - August 2004 *Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings*; available at <http://www.standards.co.nz/>.
- 2 Definitions  
*Worksite requirements* refer to job instructions to candidate on agreed work to be carried out.  
*DFT* – dry film thickness  
*Protective paint coating systems* are commonly referred to as Zinc/Zinc Phosphate primers (two pack), epoxy primers (two pack), high build and surface tolerant epoxys, chlorinated rubbers, single pack and etch primers or tie coats, including Polyurethane (and other two pack) top coats for ultra violet, chemical and graffiti protection.
- 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 a minimum of five protective coating jobs.

### Outcomes and performance criteria

#### Outcome 1

Plan and prepare to apply protective paint coating systems.

**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 Tools and equipment are selected to meet the job 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.
- 1.7 Surface preparation is checked to ensure suitability for protective coating in accordance with worksite requirements.

**Outcome 2**

Apply protective coating system.

**Performance criteria**

- 2.1 Ventilation is provided in application area to maintain safety of self and others in accordance with worksite and legislative requirements.
- 2.2 Application for paint coating is selected consistent with the job location, type of paint, type and condition of surface and climatic conditions and in accordance with worksite requirements.
- 2.3 Protective coating system is applied and finished in accordance with manufacturer's specifications, DFT and worksite requirements.
- 2.4 Measurements and wet and dry testing, dew point, humidity, temperature, chlorine or salt testing, and holiday testing, are carried out in accordance with manufacturer's specifications and worksite requirements.

**Outcome 3**

Clean up and store equipment used for applying protective coatings.

### Performance criteria

- 3.1 Unused materials are sealed and stored in accordance with worksite and legislative requirements.
- 3.2 Work area is cleared and materials are disposed of, reused, or recycled in accordance with worksite and legislative requirements.
- 3.3 Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer’s specifications and worksite requirements.

<b>Replacement information</b>	This unit standard replaced unit standard 1081 and unit standard 1902.
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**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

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.