

Title	Apply metal spray coatings to steel surfaces		
Level	4	Credits	5

Purpose	<p>This specialist unit standard for people working in the coatings area in the painting and decorating sector.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of metal spray coating; service a metal spray system; apply metal spray coatings; and identify and remedy faults and defects.</p>
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Classification	Construction Trades > Painting and Decorating
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Available grade	Achieved
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Explanatory notes

- 1 Legislation and references relevant to this unit standard include but are not limited to – the Health and Safety in Employment Act 1992 (HSE); Resource Management Act 1991; the guidelines of the Occupational Safety and Health (OSH) Service of the Department of Labour; and Australia Standard/New Zealand Standard AS/NZS 2312:2002 *Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings*, available at <http://www.standards.co.nz>.
- 2 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.
- 3 Definition
Worksite requirements refer to job instructions to staff on agreed work to be carried out.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of metal spray coating.

Evidence requirements

- 1.1 The purpose of metal spray coating is explained.

1.2 The main metal spray coatings are identified in terms of their uses.

Range includes but is not limited to – zinc, aluminium, zinc/aluminium alloys.

Outcome 2

Service a metal spray system.

Evidence requirements

2.1 The parts of a metal spray unit are identified and their function described.

2.2 A metal spray unit is serviced in accordance with manufacturer's specifications and worksite requirements.

Outcome 3

Apply metal spray coatings.

Evidence requirements

3.1 The steel surface is prepared in accordance with AS/NZS 2312:1994.

3.2 Metal spray equipment suitable to the task is selected, and assembled in accordance with worksite requirements.

3.3 The metal spray coating is applied in accordance with AS/NZS 2312:1994.

3.4 Safe working practices appropriate to the task being undertaken are implemented in accordance with legislative and worksite requirements.

Outcome 4

Identify and remedy faults and defects.

Evidence requirements

4.1 Application faults and defects are identified and remedies applied in accordance with worksite requirements.

Range includes but is not limited to – preparation, dry film thickness.

4.2 Equipment faults and defects are identified and remedial action taken in accordance with worksite requirements.

Range includes but is not limited to – nozzles, pressure, turbine speeds.

Planned review date	31 December 2016
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	1 December 1994	31 December 2012
Review	2	4 July 1995	31 December 2012
Revision	3	5 November 1997	31 December 2012
Revision	4	8 April 1999	31 December 2012
Review	5	27 January 2003	31 December 2012
Review	6	18 August 2011	N/A

Consent and Moderation Requirements (CMR) reference	0175
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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 Building and Construction Industry Training Organisation info@bcito.org.nz if you wish to suggest changes to the content of this unit standard.