

<b>Title</b>	<b>Prepare for and apply wet protective coatings</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare for application of wet protective coating; demonstrate knowledge of paint thinning and apply wet protective coating; and maintain and store wet protective coating equipment.
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<b>Classification</b>	Manufacturing Skills > Manufacturing Processes
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Unit 17547, <i>Demonstrate knowledge of health and safety for blaster coating operations</i> , or demonstrate equivalent knowledge and skills.
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### Guidance Information

- 1 Legislation and references relevant to this unit standard includes:  
Health and Safety at Work Act 2015.  
Product data sheets and labels.
- 2 Definitions  
*Accepted industry practice* refers to codes of practice and standardised procedures accepted by the wider industry as examples of best practice.  
*Job requirements* refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.  
*Workplace procedures* refer to the procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment information  
All activities and evidence must be in accordance with workplace procedures and must be consistent with accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Prepare for application of wet protective coating.

Range primer, intermediate or build coat, topcoat.

### Performance criteria

- 1.1 Wet protective coating material is identified and confirmed in accordance with job requirements.
- 1.2 Personal protective equipment for applying wet protective coating is selected and worn in accordance with manufacturers' instructions.
- 1.3 The thinning and mixing of wet protective coating materials for various application methods is demonstrated in accordance with product data sheets.  
  
Range methods – brush, roller, airless sprayer, conventional spray, high-volume low-pressure spray;  
evidence is required of three methods across the range of coatings.
- 1.4 Preventative measures to minimise fume escape from containers and to guard against spillage of wet protective coating materials are undertaken.
- 1.5 Items and areas not to be coated are masked prior to spraying in accordance with job requirements.
- 1.6 Ventilation is checked to confirm adequacy for coating material in accordance with manufacturer's requirements.

### Outcome 2

Demonstrate knowledge of paint thinning and apply wet protective coating.

Range primer, intermediate or build coat, topcoat.

### Performance criteria

- 2.1 Wet protective coating is applied in accordance with job requirements and product data sheet.  
  
Range evidence is required of three application methods across the range of coatings.
- 2.2 Mixed coating material is protected from contamination during application.
- 2.3 Wet protective coating is applied first to corners and edges then to surface plane to produce an even coating overall.

2.4 Wet film thickness of paint is measured with thickness gauge and is recorded.

2.5 Paint thinning is described in terms of its effect on wet film thickness.

### Outcome 3

Maintain and store wet protective coating equipment.

#### Performance criteria

3.1 Wet protective coating equipment is checked for maintenance and is repaired or reported for repair.

3.2 Wet protective coating equipment is cleaned, shut down, and stored in accordance with manufacturer's instructions.

Range brushes, rollers, spray equipment, compressors.

3.3 Excess coating material and thinners are removed from wet protective coating equipment and stored or disposed of.

<b>Planned review date</b>	31 December 2025
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 August 2000	31 December 2012
Review	2	20 November 2006	31 December 2013
Review	3	18 October 2012	31 December 2016
Review	4	16 April 2015	31 December 2021
Rollover and Revision	5	13 December 2018	31 December 2023
Review	6	26 August 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.