

Title	Gritblast steel surfaces		
Level	4	Credits	4

Purpose	<p>This specialist unit standard is for working in the coatings area of the painting and decorating sector.</p> <p>People credited with this unit standard are able to: identify the components of blasting units; identify abrasive materials and blast nozzles; identify safety procedures, equipment and clothing; identify blast standards; and gritblast steel surfaces.</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 but are not limited to – Health and Safety in Employment Act 1992 (HSE); Resource Management Act 1991; Hazardous Substances and New Organisms Act 1996; AS/NZS 2311:2009 *Guide to the painting of buildings*, available at <http://www.standards.co.nz>; and the guidelines of the Occupational Safety and Health (OSH) Service of the Department of Labour.
- 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.
- 4 Reference material relevant to this unit standard includes:
SSPC-SP 10/NACE No 2 Joint Surface Preparation Standard, *Near-White Blast Cleaning* ISO 85011-1:1988 (E) (SIS 05 59 00) Sa 2½, available from the Heavy Engineering Research Association (HERA), Auckland.

Outcomes and performance criteria

Outcome 1

Identify the components of blasting units.

Performance criteria

- 1.1 The components of a suction unit are identified and described in terms of their function.
- 1.2 The components of a gravity unit are identified and described in terms of their function.
- 1.3 The components of a vacuum are identified and described in terms of their function.

Outcome 2

Identify abrasive materials and blast nozzles.

Performance criteria

- 2.1 Abrasive materials are identified and described in terms of their uses.
Range includes but is not limited to – angular grit, round shot.
- 2.2 Blast nozzles are identified and described in terms of their uses.

Outcome 3

Identify safety procedures, equipment and clothing.

Performance criteria

- 3.1 The safety standards, guidelines and procedures relating to gritblasting are identified and described in terms of their meaning.
Range includes but is not limited to – HSE, OSH, worksite requirements.

Outcome 4

Identify blast standards.

Performance criteria

- 4.1 Blast standards are identified and interpreted in terms of their requirements.
- 4.2 Profile sizes and shapes are described in terms of their requirements.
- 4.3 Quality control methods are described in terms of worksite requirements.

Outcome 5

Gritblast steel surfaces.

Performance criteria

- 5.1 Hoses, couplings, nozzles and abrasive material suited to the task are selected in accordance with worksite requirements.
- 5.2 The blasting unit is assembled to manufacturer's specifications and worksite requirements.
- 5.3 The blasting unit is operated to produce the required result in accordance with worksite requirements.
- 5.4 The blasting unit is disassembled, maintenance is carried out and the unit stored in accordance with the manufacturer's instructions and worksite requirements.
- 5.5 Safety procedures are carried out, and safety clothing and equipment are worn in accordance with relevant legislation, OSH guidelines and worksite requirements.

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	1 February 1993	31 December 2012
Review	2	4 July 1995	31 December 2012
Review	3	30 November 1996	31 December 2012
Revision	4	8 April 1999	31 December 2012
Review	5	27 January 2003	31 December 2012
Review	6	18 August 2011	31 December 2026
Review	7	24 April 2025	31 December 2028

Consent and Moderation Requirements (CMR) reference

0175

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