

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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Explanatory notes

- 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 evidence requirements

Outcome 1

Identify the components of blasting units.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

Evidence requirements

- 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.

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 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	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.