

Title	Set up and maintain air-assisted spray equipment for furniture finishing		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to: prepare to set up and set up; and prepare to maintain and maintain, air-assisted spray equipment for furniture finishing.
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Classification	Furniture > Furniture Finishing
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Available grade	Achieved
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Guidance Information

- 1 Assessment information
This unit standard must be assessed against on-job.
All activities and performance criteria must be carried out in accordance with worksite policies and procedures.
- 2 Personal protective equipment, appropriate to job requirements, is to be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.
- 3 Definitions
Manufacturer's instructions are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator's manuals.
Safety Data Sheets (SDSs) are documents containing information on toxic substances used in the worksite. It is a requirement of the Environmental Protection Authority that all worksites using toxic substances have SDSs.
Worksite policies and procedures refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions.

Outcomes and performance criteria

Outcome 1

Prepare to set up air-assisted spray equipment for furniture finishing.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.
- Range substance and surfaces to be sprayed, spray equipment to be used.
- 1.2 Tip and viscosity ratio for setting up the spray equipment are identified and selected in accordance with job specifications and manufacturer's instructions.

Outcome 2

Set up air-assisted spray equipment for furniture finishing.

Performance criteria

- 2.1 Spray equipment is set up in accordance with manufacturer's instructions.
- Range hoses and housing, gun fluid fitting, tips, air regulator, fan and volume adjustment, filters, oil reservoir, pressures, location.
- 2.2 Equipment is tested.
- Range working pressure levels, hose couplings, needle adjustment, air adjuster, seals.

Outcome 3

Prepare to maintain air-assisted spray equipment for furniture finishing.

Performance criteria

- 3.1 Solvent is selected for cleaning and flushing.
- 3.2 Tools and materials are selected to enable the gun to be cleaned and maintained in accordance with manufacturer's instructions.
- Range brushes, solvents, cloths, air supply, lubricants, multi-tool and any specialist spray equipment tools.
- 3.3 Safety considerations for the selected solvents are explained in accordance with the SDSs.
- 3.4 An area for maintenance is selected.
- Range clean, clear.

Outcome 4

Maintain air-assisted spray equipment for furniture finishing.

Performance criteria

- 4.1 Spray gun is depressurised and dismantled, and parts are laid out in order of removal in accordance with manufacturer's instructions.
- 4.2 Selected solvent is used to clean parts and lines are flushed in accordance with manufacturer's instructions.
- 4.3 Parts are checked for wear and any worn or damaged parts are replaced in accordance with manufacturer's instructions.
- Range tip, air cap, seals, filters, o-rings.
- 4.4 Spray gun is reassembled and greased, where necessary, in accordance with manufacturer's instructions.
- 4.5 Spray gun is tested with a solvent wash.

Replacement information	This unit standard and unit standard 25527 replaced unit standard 3159.
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Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 2009	31 December 2018
Review	2	19 March 2015	N/A
Review	3	26 November 2020	N/A

Consent and Moderation Requirements (CMR) reference	0173
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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 if you wish to suggest changes to the content of this unit standard.