

Title	Set up and maintain conventional spray equipment for furniture finishing		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: prepare to set up; set up; prepare to maintain; and maintain conventional 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 Range
Competence must be demonstrated using one of the following types of conventional spray equipment – gravity feed, suction feed, pressure pots.
- 3 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 conventional 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 Tools and equipment for maintaining and setting up spray equipment are identified and selected in accordance with job specifications.

Range socket sets, screwdrivers, needle assembly, rip storage, specialist spray equipment tools, wrenches.

Outcome 2

Set up conventional spray equipment for furniture finishing.

Performance criteria

2.1 Spray equipment is set up in accordance with manufacturer's instructions.

Range gauge, tip, agitator, hose, fan and volume adjustment, pressures, safety valve, location.

2.2 Filter is set up in accordance with manufacturer's instructions.

2.3 Compressor is set up in accordance with manufacturer's instructions.

Range pressure levels, oil levels, gauges, pressure relief valve, pressure switches, filters, belt tension and condition.

2.4 Equipment is tested in accordance with worksite policies and procedures.

Range pressure levels, spray pattern, leaks holes, seals.

Outcome 3

Prepare to maintain conventional 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 solvents, cloths, brushes, spanners, lubricants.

3.3 Safety considerations for the selected solvents are interpreted in accordance with the SDSs.

3.4 An area for maintenance is selected.

Range clean, clear.

Outcome 4

Maintain conventional spray equipment for furniture finishing.

Performance criteria

4.1 Spray gun is dismantled, and parts laid out in order of removal in accordance with manufacturer’s instructions.

4.2 Selected solvent is used to clean parts and flush lines.

4.3 Parts are checked for wear and any worn or damaged parts are replaced in accordance with manufacturer’s instructions.

Range water traps, air filters, hose attachment filters, pressure switches.

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 25528 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.