

Title	Apply stains to furniture surfaces using conventional spray methods		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to: demonstrate knowledge of stains used in furniture finishing; and prepare to apply, and apply, stains to furniture surfaces using conventional spray methods.
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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.
Competence must be demonstrated using one of the following types of conventional spray equipment – gravity feed, suction feed, pressure pots.
- 2 Range
Competence must be demonstrated using one of the following stain types – water-based stain, solvent-based stain, oil-based stain;
- 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.
- 4 Reference
Jackson, A and Day, D, (2nd ed.) (1999) *Good Wood Handbook*. London, England: Popular Woodworking Books, which is available at: <http://www.amazon.com>.
- 5 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.
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

Demonstrate knowledge of stains used in furniture finishing.

Performance criteria

1.1 The difference between stains and surface finishes such as paint or varnishes is explained in accordance with the reference text.

1.2 Different types of stains used in furniture finishing are explained in accordance with the reference text.

Range solvent or oil, spirit, water, acrylic.

1.3 Stained finishes that do not require protective coats are described in accordance with the reference text.

Range stained waxes, protective wood stains, varnish stains.

Outcome 2

Prepare to apply stains to furniture surfaces using conventional spray methods.

Performance criteria

2.1 Job specifications are obtained and explained.

Range surfaces to be stained, stain to be used, required density of colour, timeframe to complete the job.

2.2 Spraying platforms, drying racks, trolleys, and drying area are selected.

2.3 Spray equipment is checked for suitability for job specifications.

Range clean, air cap tight, bowl tight.

2.4 Spray area is selected to meet environmental and safety requirements.

Range well ventilated, clean, clear of dust.

Outcome 3

Apply stains to furniture surfaces using conventional spray methods.

Performance criteria

3.1 Surfaces are prepared for staining in accordance with job specifications.

Range any of – cleaning, checking for blemishes, rectifying blemishes, masking off if required.

3.2 Stain is applied in accordance with job specifications.

Range even distance from surface, triggering off after each stroke, even fan, constant air pressure.

3.3 Compressor is operated to meet job specifications and in accordance with manufacturer's instructions.

Range pressure levels, oil levels, gauges leaks, stop valves, water circulation, cleaning equipment and materials, unloaders, pressure switches, filters, daily and weekly cleaning maintenance schedules.

3.4 Stained surfaces are checked for blemishes and rectified if necessary.

3.5 Stained surfaces are stacked on a rack for drying.

Range stability, size.

3.6 Rack or trolley is moved to a drying area.

Range clear of – walkways, doorways, draughts.

3.7 Spray equipment is cleaned and stored.

Replacement information	This unit standard and unit standard 25524 replaced unit standard 3153.
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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.