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| Title | Apply preparation coatings to furniture surfaces using air-assisted spray equipment | | |
| Level | 2 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: demonstrate knowledge of air-assisted spray equipment; prepare to apply, and apply, preparation coatings to furniture surfaces using air-assisted spray equipment. |
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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 may be demonstrated using either clear or pigmented coatings.
- 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.
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 air-assisted spray equipment.

Performance criteria

- 1.1 Advantages air-assisted spray equipment has over conventional spray equipment are explained in accordance with manufacturer's instructions.
- Range three advantages.
- 1.2 Products that can be sprayed using air-assisted spray equipment are named and identified in the worksite.
- Range any three of – solvent or water-based products, varnished, lacquers, polyurethanes, two-component products, high-solids, stains, UV curing.
- 1.3 Adjustment of flow rate of the application is explained in accordance with manufacturer's instructions.
- 1.4 Adjustment of fan width is explained in accordance with manufacturer's instructions.
- 1.5 Reversible tips and flat tips are explained in terms of a suitable spray application.

Outcome 2

Prepare to apply preparation coatings to furniture surfaces using air-assisted spray equipment.

Performance criteria

- 2.1 Job specifications are obtained and interpreted.
- Range number of surfaces to be coated, coating to be used, required feed pump for the application.
- 2.2 Spraying platforms, drying racks, trolleys, and a 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 preparation coatings to furniture surfaces using air-assisted spray equipment.

Performance criteria

- 3.1 Surfaces are prepared for preparation coatings in accordance with job specifications.
- Range cleaning, checking for blemishes, rectifying blemishes, masking off if required.
- 3.2 Preparation coating is applied in accordance with job specifications.
- Range even distance from surface, triggering off after each stroke, even fan, constant air pressure.
- 3.3 Coated surfaces are checked for blemishes and rectified if necessary.
- 3.4 Coated surfaces are stacked on a rack for drying.
- Range stability, size.
- 3.5 Rack or trolley is moved to a drying area.
- Range clear of walkways, clear of doorways, clear of draughts.
- 3.6 Spray equipment is cleaned and stored safely and securely.

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| Replacement information | This unit standard and unit standard 25525 replaced unit standard 3154. |
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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 | N/A |
| Review | 2 | 26 November 2020 | N/A |

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| 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.