

Title	Manufacture laminated, shaped furniture components		
Level	4	Credits	5

Purpose	<p>This unit standard covers the knowledge and skills required to adhere wood, wood substitutes, and/or surface coating material to form solid shaped laminated furniture components of a specified thickness.</p> <p>People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to manufacture laminated, shaped furniture components; press and laminate shaped furniture components; and demonstrate and apply knowledge of finishing off laminated, shaped furniture components.</p>
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Classification	Furniture > Furniture and Cabinet Making
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Available grade	Achieved
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Guidance Information

- 1 **Assessment information**
 This unit standard may be assessed against on-job or off-job.
 Job specifications, equipment used, and job output must conform to current commercial industry practice.
 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 cramping methods – G-cramps, sash cramps, screws, hydraulic press, vacuum press.
- 3 **Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with manufacturer’s instructions.**
- 4 **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.
MSDS refers to Material Safety Data Sheets which are documents containing information on toxic substances used in the worksite. It is a requirement of the Environmental Risk Management Authority that all worksites using toxic substances have an MSDS.

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 and apply knowledge of preparing to manufacture laminated, shaped furniture components.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.

Range shape, number of components, component dimensions, layers of material to be bonded, adhesive.
- 1.2 Pressing former is selected to press the shape required in accordance with job specifications.
- 1.3 Materials and adhesive are selected in accordance with job specifications.
- 1.4 A well-ventilated gluing area is selected.
- 1.5 Method of applying pressure to the former is selected and explained.

Range one of – hydraulic press, screw press, vacuum press, sash cramps, G cramp.

Outcome 2

Press and laminate shaped furniture components.

Performance criteria

- 2.1 Protective material is applied to shaped former and an even cover of adhesive is applied to layers of material to be bonded.
- 2.2 Material is placed in the former and secured with pressing equipment to prevent any movement from side to side.
- 2.3 Pressure is applied to the shaped former and left on in accordance with the adhesive manufacturer's instructions.
- 2.4 Discarded adhesive is disposed of in accordance with adhesive manufacturer's instructions and MSDS.
- 2.5 Gluing area is made clean, clear, and tidy.

Outcome 3

Demonstrate and apply knowledge of finishing off laminated, shaped furniture components.

Performance criteria

- 3.1 Excess hardened adhesive is removed from laminated components.
- 3.2 Laminations are machined to width and sanded in accordance with job specifications.
- 3.3 Components are laminated in accordance with job specifications.
- Range bonding, dimensions, shape, number of components, finish.
- 3.4 Procedure for replacing sub-standard components is explained.
- 3.5 Work area is made clean, clear, and safe.

Replacement information	This unit standard and unit standard 18897 replaced unit standard 2230.
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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	26 February 2002	31 December 2011
Review	2	19 June 2009	31 December 2011
Revision	3	17 September 2010	N/A
Review	4	10 December 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.