



Australian Government

FWPCOT2222 Produce laminated beams

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2222B Produce laminated beams, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to prepare and cut boards for beam production.

The unit applies to production workers who produce laminated beams in a forest products factory setting and involves laying up and clamping beams, and joining timber components.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Timber Manufactured Products

Sawmilling and Processing

Wood Panel and Board Production

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for assembly	1.1 Review construction plan and work order and where required check with appropriate personnel. 1.2 Identify type and quantity of timber and glue required and obtain

	<p>materials.</p> <p>1.3 Select appropriate equipment and check for operational effectiveness in line with manufacturer's recommendations.</p> <p>1.4 Select and prepare required assembly jigs.</p>
2. Cut boards for beams	<p>2.1 Visually assess condition of boards and check moisture content.</p> <p>2.2 Use equipment in line with organisational safety procedures, manufacturer's instructions environmental protection practices.</p> <p>2.3 Straight or scarf cut boards; optimise quantity and eliminate faults.</p> <p>2.4 Sort cut boards according to length and mark in line with organisational procedures.</p> <p>2.5 Reject defective components and dispose of in line with environmental protection practices.</p> <p>2.6 Store assembly jigs for further use or dispose of in line with environmental protection practices.</p>
3. Assemble beams	<p>3.1 Select timber components from pre-cut material in line with cutting list and beam design.</p> <p>3.2 Mix glue in line with manufacturer's recommendations.</p> <p>3.3 Set glue spreader to apply even coating and apply glue line to ensure minimal wastage.</p> <p>3.4 Lay components in jigs ready for joining with allowable faults, joints and grain in line with construction standards and grading rules.</p> <p>3.5 Start press and check controls and operation in line with organisational procedures.</p> <p>3.6 Set press with jigs and position beam to correct orientation.</p> <p>3.7 Apply load and heat to beam.</p> <p>3.8 Check and remove beam from press.</p> <p>3.9 Identify routine processing and equipment faults and resolve or report to appropriate personnel.</p>
4. Prepare beams for despatch and report	<p>4.1 Check and label finished beams in line with work order.</p> <p>4.2 Remove components from jigs and safely stack in designated location.</p> <p>4.3 Strap, pack and label finished beams ready for transportation.</p> <p>4.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials.</p> <p>4.5 Complete production and quality records and report in line with organisational procedures.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	<ul style="list-style-type: none"> • identify quantities of required material within work plans and count raw materials • calculate routine mixing ratios for glue • calculate time for glue to cure • complete routine production records involving quantities tallied against orders.
Oral communication skills to:	<ul style="list-style-type: none"> • ask questions and actively listen to clarify contents of work orders • make accurate verbal reports on processing and equipment faults.
Reading skills to:	<ul style="list-style-type: none"> • interpret: <ul style="list-style-type: none"> • workplace health and safety and other organisational procedures • work orders • safety data sheets for glue • manufacturer's recommendations for equipment and glue use.
Writing skills to:	<ul style="list-style-type: none"> • produce basic clear labels for product identification and transportation • complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	<ul style="list-style-type: none"> • efficiently and logically sequence the stages of preparation and production using work order to guide activities.
Problem-solving skills to:	<ul style="list-style-type: none"> • identify and dispose of defective materials • recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	<ul style="list-style-type: none"> • select and use appropriate machinery, tools and personal protective equipment used for producing laminated beams.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2222B Produce laminated beams

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>