



Australian Government

FWPSAW2205 Assemble materials using nail plates

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2205B Assemble materials using nail plates, 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 assemble materials with nail plates; and to stack, strap and despatch them in readiness for transport to a construction site. Work is completed in a forest products factory setting.

The unit applies to Production Worker, Sawmill Worker, Manufacturing Assistant.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Elements and 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	<p>1.1 Review construction plans and work order and where required clarify with appropriate personnel.</p> <p>1.2 Identify and obtain type and quantity of material and nail plates to be assembled.</p> <p>1.3 Select appropriate tools and equipment and check for operational effectiveness in line with manufacturer's recommendations.</p> <p>1.4 Identify and prepare set-up jigs required for construction.</p>

2. Assemble materials	<p>2.1 Select timber components from pre-cut material in line with cutting list.</p> <p>2.2 Reject material with defects and dispose of in line with environmental protection practices.</p> <p>2.3 Use equipment in line with organisational safety procedures, manufacturer's instructions environmental protection practices.</p> <p>2.4 Identify allowable number and position of joins from construction plan.</p> <p>2.5 Position and clamp components in jigs ready for joining with allowable faults, joins and grain in line with construction standards and grading rules.</p> <p>2.6 Staple components to maintain temporary alignment during assembly.</p>
3. Install nail plates	<p>3.1 Position material and nail plate press over joints.</p> <p>3.2 Position nail plates on joints and install in line with construction plan.</p> <p>3.3 Repair or dispose of substandard and damaged nail plates in line with environmental protection practices.</p> <p>3.4 Correct assembly faults in line with organisational procedures</p> <p>3.5 Identify routine processing and equipment faults and resolve or report to appropriate personnel.</p>
4. Prepare material for despatch and report outcomes	<p>4.1 Check finished material for quality and label 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 material 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"> interpret production data from construction plans and work orders to:
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	<ul style="list-style-type: none"> count quantities of materials and nail plates and select appropriate sizes complete routine calculations for component layouts accurately measure lengths and angles.
Oral communication skills to:	<ul style="list-style-type: none"> ask open and closed probe questions and actively listen to clarify contents of construction plans and 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 construction plans and work orders manufacturers' instructions.
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 and construction plan 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 assembling materials.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW2205B Assemble materials using nail plates

Links

Companion Volume implementation guides are found in VETNet -

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