



Australian Government

Assessment Requirements for FWPSAW2212 Assemble materials using nail plates

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has assembled materials using nail plates for two different work orders or production plans, and has:

- determined the quality of materials and discarded non-compliant materials
- safely and correctly used machinery, equipment and nail plate press to assemble materials
- followed workplace policies and procedures relevant to assembling materials using nail plates
- strapped, packed and accurately labelled completed bundles in preparation for transport.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- production plans, work orders and manufacturer specifications for using nail plates
- workplace safety and environmental policies and procedures relating to material assembly with nail plates
- relevant standards and specifications for timber assembly using nail plates
- the purpose, features and operation of various types of tools and equipment used for assembling products:
 - measuring equipment
 - assembly machinery
 - nail plate presses
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment

- methods, processes and techniques of:
 - assembling materials using nail plates
 - layout, storing and stacking of finished materials
 - recording and reporting production outcomes and equipment faults
 - workplace communication
- assembly sequences
- typical assembly faults triggering correction to ensure product quality:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned nail plates
- industry standard cross-sections, lengths and tolerances
- environmental requirements for disposing of, recycling and reusing timber
- characteristics of timbers and typical timber defects which impact nail plate usage:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- workplace safety requirements relevant to assembling material using nail plates:
 - hazard identification and control measures
 - use of equipment and equipment lock-out
 - personal protective equipment (PPE)
 - hazardous manual tasks.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a manufacturing or processing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools, equipment and machinery to assemble materials
 - materials and nail plates to assemble products
 - PPE
- specifications:
 - access to workplace safety and environmental policies and procedures applicable to assembling materials using nail plates
 - access to nail plate manufacturer specifications and instructions

- access to work orders or production plans to assemble materials using nail plates
- relationships:
 - person to confirm work order and report production and equipment issues.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>