



Australian Government

Assessment Requirements for FWPTMM3216 Plane and sand engineered wood product

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

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 planed and sanded the surfaces of any engineered wood product type for one production run, according to work instructions, using one of the following items of equipment:

- planer or thicknesser
- surface planer or buzzer
- drum sander
- sander
- veneer sander
- stroke sander
- other workplace planing or sanding equipment for engineered wood products.

In performing this task, the individual has:

- followed workplace health and safety, environmental protection and operating procedures
- selected and used personal protective equipment (PPE)
- performed pre-operational equipment checks
- set planing and sanding thickness and feed rate to equipment for optimal product recovery
- assessed product thickness, finish quality and faults visually throughout the process
- graded and directed finished product to storage or further processing
- disposed of sub-standard product
- conducted operator maintenance on planing and sanding equipment.

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:

- health and safety hazards or risks related to operating equipment for planing and sanding engineered wood products, as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace policies and procedures specific to planing and sanding engineered wood products, including:
 - health and safety, with particular emphasis on equipment lock-out, dust suppression and use of PPE
 - use of timber planing and sanding equipment
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- workplace environmental protection requirements and practices for engineered wood product operations, including:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- techniques for planing and sanding engineered wood product
- methods of visual inspection of engineered wood product for thickness, finish quality and faults
- characteristics of relevant engineered wood product
- typical flow of material supply in and out of the planing and sanding area in engineered wood products manufacturing setting
- typical workflow processes and sanding techniques for optimising thickness, finish and quality of engineered wood product
- typical engineered wood product defects and how they affect the ability to produce quality finished product, including:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
 - lifting veneer
 - bonding problems
- key features of, and applicable terminology for, industry standard grades for re-classifying quality and use of planed and sanded engineered wood products
- purpose, features and operation of equipment used to plane and sand engineered wood product in workplace environment
- methods for assessing condition of planer blades and sanding belts.

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 timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - planing and sanding equipment
 - dust extraction equipment
 - maintenance tools and equipment for planers and sanders
 - planer blades and sanding belts
 - PPE suitable for planing and sanding engineered wood products
 - engineered wood products suitable for planing and sanding operations
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order or instructions with specific instructions for planing and sanding engineered wood product
 - workplace health and safety, emergency and environmental protection policies and/or procedures for planing and sanding engineered wood product.

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>