FWPTMM3XXX Develop knowledge of reconstituted wood panel production

## Modification history

Release	Comments	
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.	
FWPTMM3XXX	Develop knowledge of reconstituted wood panel production	
Application	<ul> <li>This unit of competency describes the skills and knowledge required to recognise the processes involved in the production of a reconstituted wood panel product, selected from chipboard, hardboard, medium and high-density fibre board (MDF), oriented strand board (OSB), particle board or masonite. It includes the types and characteristics of the selected reconstituted wood panel product, the stages in the production of the reconstituted wood panel product, the adhesives and adhesive systems used in the production of the reconstituted wood panel product.</li> <li>The unit applies to operational staff who are engaged in a range of work roles in the production of reconstituted wood panel products.</li> <li>No licensing, legislative or certification requirements apply to this unit at the time of publication.</li> </ul>	
Prerequisite Unit	Nil	
Unit Sector	Timber Manufactured Products (TMM)	

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Recognise properties and uses of selected	1.1 Identify mechanical and physical properties of reconstituted wood panel product
reconstituted wood panel product	<ol> <li>1.2 Identify application of reconstituted wood panel product in building and construction</li> </ol>
	1.3 Assess advantages and disadvantages of using reconstituted wood panel product as a building and construction material
2. Research production	2.1 Identify workflow in production process
process for selected reconstituted wood panel	2.2 Identify equipment and processes involved in production of reconstituted wood product
product	2.3 Assess factors that may impact on workflow in production process
	2.4 Assess safety and environmental hazards associated with production process
3. Recognise adhesive and	3.1 Identify types, properties and hazards associated with adhesives used
adhesive systems used in	in production of reconstituted wood panel product
production of selected	3.2 Identify types and applications of adhesive systems used in production
reconstituted wood panel	reconstituted wood product
product	3.3 Identify factors that influence bond quality
4. Assess quality control	4.1 Identify quality control check points in production process
checks in production of	4.2 Recognise quality parameters and process data collected and
selected reconstituted	monitored during production process.
wood panel product	

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## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description	
Reading	<ul> <li>Read material safety sheets on adhesives used in production of reconstituted wood panel product</li> </ul>	

Unit Mapping Information				
Code and title current version	Code and title previous version		Comments	Equivalence status
FWPTMM3XXX Develop knowledge of production of reconstituted wood panel product	Not applicable		The unit has been created to address a skill or task required by industry that is not covered by an existing unit.	New unit
Links		VETNet:	.gov.au/Pages/TrainingDocs.	tation Guides, are available at .aspx?q=0d96fe23-5747-4c01-

Skills Impact Unit of Competency
Template modified on 14 October 2020

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TITLE	Assessment requirements for FWPTMM3XXX Develop knowledge of production of reconstituted wood panel product
Performance Evide	nce
An individual demonstrat unit.	ing competency must satisfy all of the elements and performance criteria in this
from the following: • chipboard • hardboard	that the individual has researched one reconstituted wood panel product selected sity fibre board (MDF)
<ul><li>particle board</li><li>masonite.</li></ul>	
<ul> <li>two mechanical and</li> <li>one application of the</li> <li>one advantage and or construction</li> <li>production workflow performance</li> <li>one type of adhesive wood panel product</li> <li>properties and one preconstituted wood p</li> <li>three examples of que product</li> </ul>	k, the individual has identified: physical properties of the reconstituted wood panel product e reconstituted wood panel product in the building and construction industry one disadvantage of using the reconstituted wood panel product in building and for the reconstituted wood panel product and two factors that may affect workflow e and one type of adhesive system used in the production of the reconstituted potential hazard of one adhesive product used in the production of the panel product uality control check points in the production of the reconstituted wood panel by affect adhesion quality in the production of the reconstituted wood panel
Knowledge Eviden	ce
<ul><li>elements and performan</li><li>mechanical and physical</li></ul>	welling nges es

- application of reconstituted wood panel product in building and construction
  - uses of product
  - advantages of use in building and construction:
  - disadvantages of use in building and construction
- stages involved in production of reconstituted wood panel product:
  - raw material procurement or generation
  - particle preparation
  - drying
  - blending with adhesive and sometimes wax
  - forming
  - pressing
  - finishing
- factors impacting on workflow in production of reconstituted wood panel product:
  availability of raw materials

Skills Impact Unit of Competency Template modified on 14 October 2020

## Knowledge Evidence

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- operational, supervisory and management skills
- access to and maintenance of plant and equipment
- types, properties and hazards of adhesives used in production of reconstituted wood panel product
- types and applications of adhesive systems used in production of reconstituted wood panel product
- quality control check points in production process for reconstituted wood panel product
- quality parameters and process data collected and monitored during production process.
- defects in reconstituted wood panel product
- factors that may affect adhesion quality in production of reconstituted wood panel product
- safety and environmental hazards associated with production of reconstituted wood panel product.

## **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 work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - reference materials on production process for reconstituted wood panel product and adhesives and adhesive systems used in production of reconstituted wood product
  - Internet access and computer software and hardware for accessing technical information on production of reconstituted wood panel product
- specifications:
  - sections of National Construction Code related to application of reconstituted wood panel product in building and construction.

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

Links	Companion Volume implementation guides are found in VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f- 3509ff8d3d47
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