



**Australian Government**

# **FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production**

**Release: 1**

## FWPTMM3217 Develop knowledge of plywood or laminated veneer lumber production

### Modification History

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

### Application

This unit of competency describes the skills and knowledge required to develop a current understanding of the application and production processes of plywood or laminated veneer lumber (LVL) and identify adhesives and adhesive application systems used in plywood or LVL production.

The unit applies to individuals who are engaged in a range of operational work roles in plywood or LVL production.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

### Pre-requisite Unit

Nil

### Unit Sector

Timber Manufactured Products (TMM)

### 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.</i>                                |
| 1. Identify properties and uses of plywood or LVL | 1.1 Identify Australian Standards relevant to LVL or plywood production<br>1.2 Distinguish between the types of LVL or structural and |

| <b>Elements</b>                                                                          | <b>Performance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>                                         | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                          | <p>non-structural plywood products</p> <p>1.3 Identify timber species used in LVL or structural and non-structural plywood production</p> <p>1.4 Assess physical and mechanical properties of plywood or LVL</p> <p>1.5 Identify end-applications of LVL or plywood in building and construction</p>                                                                                                                                                                                                                                                                                 |
| 2. Research plywood or LVL production process                                            | <p>2.1 Identify characteristics of logs suitable for use in plywood or LVL production</p> <p>2.2 Identify legislation, standards and codes of practice relevant to plywood or LVL production</p> <p>2.3 Assess safety and environmental hazards associated with plywood or LVL production</p> <p>2.4 Determine workflow in plywood or LVL production process and assess factors that may impact on that workflow</p> <p>2.5 Identify manufacturing processes involved in plywood or LVL production</p> <p>2.6 Identify quality checks conducted during plywood or LVL production</p> |
| 3. Identify adhesives and adhesive application systems used in plywood or LVL production | <p>3.1 Identify types, properties, uses and hazards associated with adhesives used in plywood or LVL production as specified in relevant Australian Standards</p> <p>3.2 Identify factors that impact on the bonding of wood with adhesives used in plywood or LVL production</p> <p>3.3 Distinguish between thermoset and thermoplastic adhesives</p> <p>3.4 Identify processes and quality checks that apply in adhesive preparation</p> <p>3.5 Identify types, uses and advantages and disadvantages of adhesive application systems used in plywood or LVL production</p>        |

## 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 style="list-style-type: none"><li>Interpret safety data sheets on adhesives used in plywood or LVL production</li><li>Recognise key information in technical documents related plywood or LVL production</li></ul> |

## Unit Mapping Information

| Code and title current version                                                   | Code and title previous version                 | Comments                                                                                                              | Equivalence status |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------|
| FWPTMM3217<br>Develop knowledge of plywood or laminated veneer lumber production | FWPWPP3201<br>Produce veneer from debarked logs | The unit has been redeveloped to address a skill or task required by industry that is not covered by an existing unit | Not equivalent     |

## Links

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