



Australian Government

FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production

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.

Application

This unit of competency describes the skills and knowledge required to develop a current understanding of the application and production processes of glue laminated timber (GLT) or cross laminated timber (CLT), identify gluing systems and curing procedures used in GLT or CLT production, and examine the testing and quality control procedures used in GLT or CLT production.

The unit applies to individuals who are engaged in a range of operational work roles in GLT or CLT 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 GLT or CLT	1.1 Identify properties and various applications of GLT or CLT in building and construction

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Assess advantages and disadvantages of using GLT or CLT as a building and construction material
2. Identify GLT or CLT production process	2.1 Identify legislation, standards and codes of practice relevant to GLT or CLT production 2.2 Assess safety and environmental hazards associated with GLT or CLT production process 2.3 Determine workflow in GLT or CLT production process and assess factors that may impact on that workflow 2.4 Identify processes involved in the lamella production stage 2.5 Identify processes involved in forming or laying board layers stage 2.6 Determine equipment and processes used in the pressing stage 2.7 Determine steps in final processing stage, including calibrating and lengthwise or all sides cutting of laminated product
3. Identify glues and gluing systems used in GLT or CLT production	3.1 Identify types, properties and hazards associated with glues used in GLT or CLT production 3.2 Identify types and applications of gluing systems used in GLT or CLT production 3.3 Identify glue curing methods in GLT or CLT production
4. Assess testing and quality control procedures in GLT or CLT production	4.1 Identify factors that influence joint and bond quality in CLT or GLT production 4.2 Identify quality control check points in GLT or CLT production process 4.3 Identify types and causes of delamination and non-delamination defects in GLT or CLT production 4.4 Assess purpose and application of bond strength and durability tests in GLT or CLT production 4.5 Identify testing procedures and how test data is interpreted and used to determine appropriate follow-up actions

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	- Interpret safety data sheets on glues used in GLT or CLT production - Recognise key information in technical documents related to GLT or CLT production

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM3220 Develop knowledge of glue laminated timber or cross laminated timber production	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing unit	Newly created

Links

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