Objective 5

Assemble product suite and establish characteristics and performance

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Objective 5 – Assemble the product suite and establish its characteristics and in-service performance

5.1 – Experimental product assembly
5.2 – Product characterisation and testing
5.3 – Product assessment in-service
Objective 5 – Products

Experimental product assembly

- Objective 1 to provide guidance
  - delay in output being delivered
- Understanding of veneer properties, characteristics and performances
  - Delays due to trial 2 producing limited veneer; Trial 3 compromised in veneer quantity and quality due to supporting equipment limited performance
  - Trial 4 successful in producing quantity and quality required
- Understanding of adhesive performance
  - DAF have undertaken trials and identified suitable adhesives and manufacturing protocols
- Identify several products to pursue
**Objective 5 – Products**

**Queensland DAF developments**

- Processing
  - Veneer thickness
  - Quality

- Mechanical performances
  - May restrict suitability for some products
  - Options for more advanced construction strategies

- Attractive appearance qualities
  - Veneer v’s sawn
  - Colour (variation)
  - Fibre structure

Advanced veneer and other product from coconut wood
Objective 5 – Products

Queensland DAF developments

- Plywood
- LVL
- Overlay products
- Engineer flooring
- Multilaminar
  - Sawn
  - Turned
- Blockboard
- Finishes
Objective 5 – Products

Plywood

Advanced veneer and other product from coconut wood
Objective 5 – Products

Laminated veneer lumber

Advanced veneer and other product from coconut wood
Objective 5 – Products

Advanced veneer and other product from coconut wood

Overlay products
Objective 5 – Products

Engineered flooring

Advanced veneer and other product from coconut wood
Objective 5 – Products

*Multilaminar*

Advanced veneer and other product from coconut wood
Objective 5 – Products

Multilaminar

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**Objective 5 – Products**

*Multilaminar*

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Objective 5 – Products

Product characterisation and testing

- Larger scale product manufacture
- Optimised construction strategies
- Manufacturing protocols
- Mechanical properties
- Product performances
Objective 5 – Products

Product assessment in-service

• Scaled up assessments
Questions