



Australian Government

FWPWPP3214 Treat paper

Release: 1

FWPWPP3214 Treat paper

Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP3214B Treat paper, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to treat paper with resin in readiness for use in the laminating process.

The unit applies to production operators and technicians who treat paper in a forest and wood products factory setting and includes operator maintenance.

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

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for treating	1.1 Review work order and where required check with appropriate personnel. 1.2 Identify type and quantity of paper for treating. 1.3 Select appropriate personal protective equipment and check for operational effectiveness. 1.4 Plan treating processes in line with work order.
2. Load paper	2.1 Use equipment in line with organisational safety procedures,

	manufacturer's instructions and environmental protection practices. 2.2 Locate paper rolls and move to loader. 2.3 Complete pre start-up equipment checks to ensure operational effectiveness. 2.4 Thread paper and commence feed process, ensuring minimal paper damage. 2.5 Change rolls when depleted and in line with treatment requirements.
3. Operate treater equipment	3.1 Bring treater to full operating condition, and regularly check operating parameters in line with manufacturer's instructions. 3.2 Run treating line, keeping paper treated with foreign material clear of treating process. 3.3 Check resin parameters regularly and adjust in line with manufacturer's instructions. 3.4 Assess paper regularly, ensuring specified outcomes in line with work order. 3.5 Direct treated paper to storage or processing operations in line with organisational procedures.
4. Fill resin tank	4.1 Shut off resin feed from tanks in line with manufacturer's instructions. 4.2 Wash and drain resin tanks thoroughly in line with environmental protection practices. 4.3 Pump resin from delivery truck to tank, monitor to ensure successful transfer and complete appropriate documentation. 4.4 Wash area surrounding tank clear of any spillage in line with organisational safety procedures and environmental protection practices.
5. Operate effluent system	5.1 Clean effluent tanks regularly in line with environmental protection practices. 5.2 Add settling agents to effluent tanks according to required quantities and allow for settling. 5.3 Remove solids and dispose of in line with organisational safety procedures and environmental protection practices.
6. Complete operator maintenance	6.1 Follow organisational safety procedures to lock out equipment. 6.2 Check treating mechanisms for operational effectiveness. 6.3 Check, adjust and maintain vat and oven temperatures in line with manufacturer's recommendations. 6.4 Dispose of excess resin in line with environmental protection

	practices. 6.5 Keep machine clear of dust and debris in line with organisational safety procedures. 6.6 Record and report paper treating process, equipment faults and maintenance requirements to appropriate personnel.
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Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	• read basic temperature settings; set and adjust levels according to treatment requirements • calculate the feed rate to optimise quality and quantity of production output • check and adjust resin feed quantities • complete routine calculations to add correct ratio of settling agent to effluent tanks.
Oral communication skills to:	• ask questions and actively listen to clarify contents of work orders.
Reading skills to:	• interpret: • workplace health and safety and other organisational procedures • work orders • safety data sheets • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for deliveries, process outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	• efficiently and logically sequence the stages of paper treatment processes using work order to guide activities.
Problem-solving skills to:	• recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	• select and use appropriate personal protective equipment to operate and maintain paper treatment equipment • efficiently and safely operate and maintain paper treatment equipment.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3214B Treat paper

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPWPP3214 Treat paper

Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP3214B Treat paper, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- complete paper treatment processing in line with individual work orders for each job which prescribe different paper thicknesses and quantities
- for each of the above jobs, direct treated paper to appropriate storage location or to downstream processing
- after each of the above jobs, complete operator maintenance on paper treatment equipment used
- complete refill of resin tanks
- demonstrate cleaning process for effluent tanks.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for paper treatment processes:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - cleaning spillages and disposing of hazardous substances
- purpose of treating paper
- characteristics of paper, effects of the treatment process and appropriate range of temperatures
- properties, at a basic level of understanding, of resin types used to treat paper
- methods used to assess condition of paper for finish quality and faults

- typical work flow processes and paper treatment techniques
- typical flow of material supply in and out of the paper treatment area
- purpose, features and operation of equipment used in the paper treatment process:
 - treaters
 - vats
 - ovens
 - resin tanks
 - effluent tanks
- methods used to:
 - safely handle chemicals used in the treatment process
 - pump deliveries of resin
 - clean effluent tanks
 - maintain paper treatment equipment
- organisational procedures specific to treating paper:
 - workplace health and safety with particular emphasis on equipment lock out, use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting deliveries, process outcomes, equipment faults and maintenance requirements.

Assessment Conditions

The following resources must be made available:

- equipment used in the paper treatment process which must include at least one of the following:
 - treaters
 - vats
 - ovens
 - resin tanks
 - effluent tanks
 - maintenance tools and equipment
- delivery truck loaded with resin
- personal protective equipment suitable for operation and maintenance of paper treatment equipment
- resin
- settling agents
- a diverse commercial range of paper of different thicknesses in roll form
- manufacturers':
 - safety data sheets
 - instructions for equipment use
 - recommendations for maintaining equipment

- work order with specific instructions for the types and quantity of paper to be treated
- template documents for recording deliveries, process outcomes, equipment faults and maintenance requirements
- recording pest control outcomes
- relevant personnel for the purposes of communicating information
- organisational procedures for treating paper.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.
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