



**Australian Government**

# **ICPSCP221 Prepare substrate**

**Release: 1**

## ICPSCP221 Prepare substrate

### Modification History

| Release   | Comments                                                                                     |
|-----------|----------------------------------------------------------------------------------------------|
| Release 1 | This version first released with ICP Printing and Graphic Arts Training Package Version 1.0. |

### Application

This unit describes the skills and knowledge required to select and safely prepare and store a wide range of substrates for screen printing.

It applies to individuals working under direct supervision and performing mainly routine tasks.

In some cases, there may be an overlap with ICPCBF221 Set up and produce basic guillotined product. If substrate preparation is mostly guillotining, then ICPCBF221 Set up and produce basic guillotined product should be delivered.

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

### Unit Sector

Screen printing

### Elements and Performance Criteria

| ELEMENT                                          | PERFORMANCE CRITERIA                                                                                                                                                                                                            |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                          |
| 1 Select substrate                               | 1.1 Substrates are selected according to job specifications<br>1.2 Substrates selected must be of suitable form and quality according to job specifications and end use of product                                              |
| 2 Process substrate                              | 2.1 Processing of substrate is carried out according to job specifications<br>2.2 Necessary preventive action is taken to avoid wastage and to ensure best yield with respect to grain direction and type of substrate selected |

| ELEMENT                      | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <p>2.3 User maintenance requirements are identified and implemented according to manufacturer or supplier instructions</p> <p>2.4 Substrate is inspected and print capability assessed, including need for any special preparation requirements</p> <p>2.5 Substrate is suitably pre-treated, where required</p> <p>2.6 Substrate is appropriately labelled according to job specifications</p> |
| 3 Store and handle substrate | <p>3.1 Materials are safely handled according to manufacturer or supplier specifications</p> <p>3.2 Materials and substrate are appropriately handled and stored according to manufacturer or supplier specifications to prevent damage and hazards to personnel</p> <p>3.3 Offcuts of materials are disposed of according to regulatory requirements and enterprise procedures</p>             |

## Foundation Skills

*This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.*

| Skill                      | Performance Criteria             | Description                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading                    | 1.1, 1.2, 2.1, 2.3, 2.6, 3.1-3.3 | <ul style="list-style-type: none"> <li>Recognises and evaluates textual information to determine and adhere to requirements</li> </ul>                                                                                                                                                                                                                                                        |
| Writing                    | 2.6                              | <ul style="list-style-type: none"> <li>Completes required details legibly and accurately for reference details</li> </ul>                                                                                                                                                                                                                                                                     |
| Numeracy                   | 1.1, 3.2                         | <ul style="list-style-type: none"> <li>Recognises basic numerical data to determine volumes and dimensions of required substrate</li> </ul>                                                                                                                                                                                                                                                   |
| Navigate the world of work | 3.1-3.3                          | <ul style="list-style-type: none"> <li>Takes personal responsibility for adherence to legal and regulatory requirements with specific reference to safety</li> <li>Complies with all organisational policies and procedures relevant to own role</li> </ul>                                                                                                                                   |
| Get the work done          | 1.1, 1.2, 2.2-2.5, 3.3           | <ul style="list-style-type: none"> <li>Follows clearly defined instructions and sequencing and monitors own progress for the task</li> <li>Responds to predictable problems and implements standard or logical solutions</li> <li>Takes responsibility for routine low-impact decisions within familiar situations</li> <li>Understands the purpose and some specific functions of</li> </ul> |

|  |  |                                            |
|--|--|--------------------------------------------|
|  |  | common digital tools used in work contexts |
|--|--|--------------------------------------------|

## Unit Mapping Information

| Code and title<br>current version | Code and title<br>previous version | Comments                                        | Equivalence status |
|-----------------------------------|------------------------------------|-------------------------------------------------|--------------------|
| ICPSCP221 Prepare substrate       | ICPSP221C Prepare substrate        | Updated to meet Standards for Training Packages | Equivalent unit    |

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>

## Assessment Requirements for ICPSCP221 Prepare substrate

### Modification History

| Release   | Comments                                                                                     |
|-----------|----------------------------------------------------------------------------------------------|
| Release 1 | This version first released with ICP Printing and Graphic Arts Training Package Version 1.0. |

### Performance Evidence

Evidence of the ability to:

- select, process and store TWO substrates according to manufacturer specifications, job specifications and enterprise procedures.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

### Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe the types of jobs that would suit different grades and thicknesses of substrate
- explain how to identify defects and irregularities in the substrate
- explain the pre-treatment of the surface required before printing
- describe the tests that should be undertaken to determine the suitability of the substrate for printing
- explain how to cut substrate to minimise wastage
- identify the equipment used for preparing substrate
- describe how to prepare substrate and the quality of preparation monitoring
- explain the handling and storage procedures to prevent damage to substrate prior to printing
- explain the correct procedures for the disposal of offcuts of substrate
- identify manuals, safety information and other documentation relevant to this task, where they are located and the information included in these documents.

## Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the screen printing field of work and include access to substrates.

Assessors must satisfy NVR/AQTF assessor requirements.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>