



Australian Government

ICPPRN211 Mount and proof flexographic plates for basic printing

Release: 1

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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 prepare and mount flexographic plates and plate cylinders for routine printing including proofing plates and checking cylinders for registration.

It applies to individuals who work under direct supervision and perform a range of routine printing tasks in a defined context. The practical skills and operational knowledge required to perform these tasks is at a fundamental level.

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

Unit Sector

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. Confirm routine job specifications	1.1 Job requirements are read and interpreted from job documentation or production control system 1.2 Set up is carried out correctly in minimum time with minimum wastage 1.3 Prior inspections are completed and signed off
2. Prepare flexographic plates	2.1 Plate height and relief are measured 2.2 Plates are trimmed and prepared according to mounting system requirements

ELEMENT	PERFORMANCE CRITERIA
	2.3 Mounting adhesive is selected to achieve correct pitch circle diameter (PCD) of specified plate cylinders and gears
3. Prepare plate cylinders	3.1 Plate cylinders/seamless sleeves are selected, cleaned and prepared 3.2 Sleeves and correct gears on mandrels are selected, cleaned, prepared and mounted to meet routine job specifications 3.3 Total indicated run-out (TIR) is checked as within specified tolerances on plate cylinders 3.4 Selected mounting adhesive is applied to plate cylinders
4. Mount and proof flexographic plates on mounting/proofing machine	4.1 Plates are prepared and mounted on cylinders using pin mount or microdot systems or sleeves according to chart number/print direction 4.2 Plate mounting sheet is prepared to meet routine job specifications 4.3 Plates are mounted to position on plate mounting sheet or camera targets 4.4 Plate mounting sheet is installed and tensioned onto plate cylinder to specified chart number/print direction 4.5 Plates are proofed and each plate cylinder is checked for register 4.6 Flexographic plates are trimmed and taped down according to printing press requirements

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, 2.2, 3.2, 3.3, 4.2, 4.4	Recognises and interprets text to establish job requirements from information contained within relevant procedures and specifications
Writing	1.3	Completes workplace forms accurately
Oral Communication	1.1, 1.3, 3.2, 3.3, 4.2, 4.4, 4.6	Participates effectively in spoken interactions by using strategies to confirm, clarify or repair understanding

Numeracy	2.1	Interprets and analyses a range of mathematical information used in familiar and routine tasks
Navigate the world of work	1.1-1.3, 2.2, 2.3, 3.1-3.3, 4.1, 4.2, 4.4, 4.6	- Recognises and follows explicit and implicit protocols and meets expectations associated with own role - Complies with legislative requirements, and follows organisational policies and procedures relevant to own role
Interact with others	1.1, 3.2, 3.3, 4.2, 4.4, 4.6	Seeks to cooperate with others to achieve results in immediate work context
Get the work done	1.2, 2.2, 2.3, 3.1, 3.2, 3.4, 4.1-4.6	- With assistance, determines priorities and sequences steps involved in clearly defined, familiar tasks and identifies and assembles required resources - Responds to predictable problems and implements standard or logical solutions related to role in immediate work environment - Reads data from electronic monitoring and control systems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPPRN211 Mount and proof flexographic plates for basic printing	ICPPR211C Mount and proof flexographic plates for basic printing	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 ICPPRN211 Mount and proof flexographic plates for basic printing

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Performance Evidence

Evidence of the ability to:

- prepare flexographic plates and plate cylinders on TWO occasions for basic jobs and mount these according to the selected mounting system (as specified on job documentation or production control system) according to enterprise procedures (mounting can be on either proofing machine or printing press)
- proof plates and check plate cylinder registration of the flexographic plates mounted on the proofing machine for this purpose on TWO occasions for basic jobs
- find and use information relevant to the task from a variety of information sources
- safely operate tools and machinery (such as safely switching off machinery before cleaning is started and using of any cleaning chemicals safely).

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:

- determine job requirements
- identify vital information on the job ticket
- list checks to be done prior to set up (availability of materials etc.)
- identify flexographic printing plates and mounting systems
- identify health and safety concerns for safely mounting and proofing plates
- identify how to ensure the correct plates for the job is chosen
- describe when cushion type mounting material is used
- identify how to handle plates when mounting to avoid damage to plates
- list options to seal edges of plates when mounting
- explain importance of measuring plate height
- identify TIR (total indicated run-out) effect on press performance

- define and describe procedure for V-block mounting
- proofing and adjustment
- identify quality control measurements to apply to the proof to test against known standards
- identify checks to be made on initial print prior to running
- identify how to minimise registration errors

Information sources

- identify relevant information sources (including machine manuals, safety documentation and other information) relevant to this task and their location and the information included in them.

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 printing field of work and include access to:

- flexographic printing machine
- mounting systems
- print direction chart.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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