



Australian Government

Assessment Requirements for ICPPRN442

Produce specialised pad printed product

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.

Performance Evidence

Evidence of the ability to:

- operate a pad printing machine ensuring an efficient specialised production flow that maintains product quality standards, including rectifying production problems with minimum downtime, and shutting down and cleaning the machine according to work health and safety (WHS) guidelines
- produce TWO complex pad printing jobs (if possible on different substrates) according to job specifications, enterprise procedures and performance criteria.

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:

- identify major WHS concerns when operating this machine
- locate where Material Safety Data Sheets (MSDS)s are stored and describe the information they contain
- explain how colour density of a light image on a dark substrate can be improved by selecting a different machine cycle mode
- explain how to select appropriate machine cycle mode to provide the highest production output for a particular product
- describe special cycle modes available on the machine and their application
- describe how to determine that ink has been mixed to the correct viscosity
- explain how to correct ink viscosity during production
- list causes of unreleased ink remaining on the printing pad, and how to identify them
- describe the effect of adding a catalyst on the pot life of ink and other factors that affect pot life
- explain how to recognise a damaged pad
- demonstrate the correct method of cleaning a pad during production

- describe the effect of different pad shapes for different colours In multi-coloured printing
- determine the time ink should take to cure before scratch and adhesion tests can be performed
- describe the method used to check for correct pre-treatment of polypropylene during production
- explain how to ensure correct drying conditions for the product
- describe the visible effects on the image if ink viscosity is incorrect
- identify the cause of incorrect registration and how to prevent its recurrence
- explain what can cause a fine coating of ink over the whole cliché surface
- locate machine manuals, safety and other documentation relevant to this task, and outline the information 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 special purpose tools, equipment and materials, including a pad printing machine.

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>