



Australian Government

Assessment Requirements for ICPPRN342 Produce complex 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 and produce TWO jobs (if possible on different substrates) ensuring an efficient non-routine production flow that maintains product quality standards in accordance with job specifications and enterprise procedures
- safely shut down and clean a pad printing machine according to work health and safety (WHS) guidelines
- demonstrate use of control, monitoring and data entry systems

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:

- explain the major WHS concerns when operating the pad printing machine
- identify where Material Safety Data Sheets (MSDS) are stored and what 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
- describe special cycle modes available on the machine and their application
- explain how to determine if an ink has been mixed to the correct viscosity
- describe how to correct ink viscosity during production
- explain causes of unreleased ink remaining on the printing pad and how to identify them
- discuss how adding a catalyst affects the pot life of ink, and list other factors affecting pot life
- describe how to recognise a damaged pad
- outline the correct method of cleaning a pad during production
- discuss the effect of different pad shapes in multi-coloured printing for different colours

- explain how to determine time the ink should take to cure before scratch and adhesion tests can be performed
- outline how to check for correct pre-treatment of polypropylene during production
- describe how to ensure drying conditions are correct for the product
- describe visible effects on the image if ink viscosity is incorrect
- describe how to identify the cause of incorrect registration and prevent its recurrence
- explain what causes a fine coating of ink over the whole cliché surface
- identify machine manuals, safety and other documentation relevant to this task, where are they kept and the information contained.

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
- pad printing machine.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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