



Australian Government

Assessment Requirements for ICPPRN341

Set up for basic pad 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.

Performance Evidence

Evidence of the ability to:

- correctly set up a pad printing machine on TWO occasions (if possible on different substrates) for routine print jobs to meet enterprise procedures, manufacturer's and job specifications; including setting up manual pre- and post-treatment processes and completing a proof run.
- demonstrate all safety devices on the machine.

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:

Substrate identification

- identify what class of substrate the (given) object came from

Ink selection

- explain how to determine if an ink is appropriate to use with a particular substrate
- explain how to determine if an ink is mixed to the correct viscosity
- explain the pot life of a two-component ink

Pad selection

- explain how to determine the correct pad shape for applications
- describe what effect pad shape and hardness has on print quality
- outline the ideal storage conditions for pads

Plate selection

- explain how to determine the correct plate type for given applications

Doctor blades

- explain work health and safety (WHS) concerns of setting presses and doctor blades
- describe how to adjust the machine so the doctor blade operates correctly
- describe the effect of a damaged doctor blade

Pre- and post-treatment requirements

- explain WHS concerns of using pre- and post-treating substrates
- explain how to pre-treat an oily surface to ensure it is ready for printing

Print problem identification and correction

- identify causes of and solutions for common print problems (eg hairlines around image, loss of density in the centre of a solid image, fine lines of ink running through image, distortion of image)

Information sources

- 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:

- relevant facilities, materials and equipment
- 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>