



Australian Government

Assessment Requirements for ICPPRN541

Set up for specialised 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:

- safely set up a machine for specialised pad printing on TWO occasions, on different substrates, to meet manufacturer's and job specifications, enterprise procedures and the performance criteria
- set up manual pre- and post-treatment processes and conduct a proof run including adjusting settings to ensure production speeds are attained
- find and use information relevant to the task from a variety of information sources.

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 FOUR different substrate groups and suggest correct ink type for each group
- explain THREE possible sub-groups of plastic in relation to ink selection
- explain how to adjust process colour inks for correct colour balance
- describe TWO methods of improving opacity of a light coloured ink on a dark substrate
- outline how to determine correct pad shape for the FOUR applications
- explain the effect that pad shape and hardness have on print quality
- describe the effect commonly seen at the contact point of the nipple of a pad in a large solid print and how can it be avoided
- outline how to prepare a new pad before its first printing
- describe the correct plate type for these (given) applications
- explain the difference between steel and photopolymer plates for process printing
- discuss reasons for mis-registered images, and how they can be corrected
- list work health and safety (WHS) concerns of setting presses and doctor blades
- discuss possible machine adjustments so the doctor blade operates correctly

- describe the effect of a damaged doctor blade
- list various types of doctor blades and explain their applications
- list WHS concerns when using pre- and post-treating substrates
- outline common pre- and post-treatment methods for different substrates
- explain the importance of pre- and post-treatments for different substrates
- list causes and solutions for SIX 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, picking up ink from substrate by subsequent pads, washed out images, loss of fine lines in images, inconsistent colour)
- identify where machine manuals, safety and other documentation relevant to this task are kept, and describe 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>