



Australian Government

Assessment Requirements for ICPPRN271 Set up for basic coating

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:

- set up rollers and reel or sheet systems for coating a range of aqueous coatings, UV varnishes and machine varnishes and conduct a proof run and adjust settings to ensure production speeds are attained
- demonstrate use of control, monitoring and data entry systems
- demonstrate all safety devices on the machine
- set up for TWO basic coating operations (one spot coating and one overall coating and, if possible, including at least one in-line process) according to manufacturer's and job specifications, and enterprise procedures.

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:

Interpret job specifications

- identify where information about the type of required coating is located on the work ticket
- explain actions to be taken if vital information is missing from the job ticket
- outline checks to be done prior to set up (availability of materials etc.)

For reel systems only

- list major work health and safety (WHS) concerns when setting up the reel transportation system
- outline safety risks associated with the machine's rewind section
- explain how low web tension and inefficient web splices impacts the print
- identify how the machine recognises if there has been a web break
- describe effect of excessive web tension at the rewind section of the machine

- discuss how to determine reel position for the job

For sheet systems only

- list major WHS concerns when setting up the sheet transportation system
- discuss how to determine sheet position for the job
- explain how appropriate front lays are selected
- list reasons for a two-sheet cut-out on most feeders
- identify how the machine recognises if a sheet is missing or late
- identify how the coating side of the material is chosen
- identify why a register check is carried out

Delivery system

- identify impact of too much vacuum on slow-down wheels has on the job
- describe what determines position of register or bustle wheels
- outline impact of excessive jogging on the stack

Coating preparation

- list WHS concerns relevant to use of coatings
- list THREE types of coating
- describe how suitability of coating for the job is determined
- outline how ability of the coat to adhere to the product is determined
- explain how to determine how much coating is required
- describe range of viscosities to be run with on aqueous coatings
- outline the impact of incorrect viscosity
- explain how to adjust viscosity of a coating

Machine set-up

- explain methods the coating uses to solidify
- explain what is required to dry UV coating
- explain printing principles used to apply aqueous coating
- describe what temperature the drier should be set at to dry aqueous coating
- outline how to determine which image carrier (plate or blanket) to use

Proofing and adjustments

- describe how position of the coating is checked against the print
- discuss the impact skeleton wheels have on the coating surface
- outline how the amount of gloss on the surface can be measured
- identify who is responsible for the final OK on the job
- describe the impact of not enough coating on a sheet
- describe the impact a UV coating has on a wet print

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:

- special purpose tools, equipment and materials
- a printing machine or dedicated coating machines with manual, semi-automated, fully automated or computerised process control.

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>