



Australian Government

Assessment Requirements for ICPINK335 Manufacture varnish and resin

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:

- find, interpret and use information from various sources to carry out tasks according to requirements
- manufacture TWO batches of varnish or resin to specifications, using EITHER fusion cooking OR reaction, including in-process testing according to manufacturer's and job specifications, health and safety requirements and enterprise procedures including:
 - selecting and checking materials and equipment prior to processing
 - carrying out quality checks during processing and making required adjustments to process or equipment
 - completing required records
 - shutting down equipment
 - cleaning of equipment and removal of product and waste
- complete a planned shutdown.

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 the name and location of the enterprise document that contains information about:
 - batch coding system used in the work area
 - system for labelling containers
 - system for disposal of waste
- identify health and safety requirements and environmental issues in relation to:
 - production of varnish or resin
 - manual handling issues that arise in the manufacture of varnish or resin

- safety equipment that is required and how to check when fitting and using
- chemicals used in the clean-up stage of the process
- specify the checks, tests and/or monitoring required during all stages of the process including:
 - when measuring materials
 - when preparing for filtration
 - pre-startup checks that are required for TWO processes in varnish or resin manufacture
 - procedures for adding liquids or solids to a varnish or resin mix
 - quality checks that are required during the filtration process
- explain the technical aspects of the varnish or resin manufacture process including:
 - equipment that is required for the manufacture of varnish or resin
 - properties that ink gains from the two basic components of varnish, resins and solvents
 - characteristics and end use of gelled and non-gelled varnishes
 - ideal conditions for filtration of varnish or resin product
 - effect that water contamination has on the manufacture of varnish or resin and what steps should be taken to avoid it
 - methods that are available for testing viscosity of varnish or resin
 - manner in which the viscosity of a batch of varnish or resin is increased
 - actions required if the viscosity is too low
 - procedures for recording details about the formulations, and in-process testing where required
- outline inspections and monitoring that is carried out during varnish or resin production.

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 ink manufacture field of work and include access to:

- enterprise documents and procedures
- raw materials and consumables
- machines and equipment
- cleaning chemicals.

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>