



Australian Government

ICPINK331 Manufacture inks and coatings

Release: 1

ICPINK331 Manufacture inks and coatings

Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to manufacture inks and coatings.

It applies to individuals who generally work under limited supervision to identify process and job requirements, set up machinery or equipment and complete the manufacturing process according to defined procedures. They also have some accountability for monitoring output and preventing or addressing production problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Ink manufacture

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Read and interpret job requirements from documentation	1.1 Appropriate processes are identified and confirmed 1.2 Appropriate materials and/or equipment are selected according to job specifications
2 Set up machines or equipment	2.1 Pre-startup checks are completed and documented according to enterprise procedures 2.2 Raw materials or feed lines are checked to ensure availability 2.3 Stirrer, mixer, pots and vats are checked to ensure they are free from contamination 2.4 Machine or equipment operation is verified according to enterprise procedures

ELEMENT	PERFORMANCE CRITERIA
3 Maintain blending process	3.1 Mix is completed in association with fellow workers according to enterprise procedures and work health and safety (WHS) requirements 3.2 Materials are added to the process according to job specifications 3.3 Quality inspection and sampling is carried out according to enterprise procedures 3.4 Adjustments to mix or equipment are made to correct identified quality problems
4 Maintain ink or coating milling process	4.1 Production process is operated in association with fellow workers and according to enterprise procedures and planned daily schedule 4.2 Production is maintained according to WHS requirements and enterprise procedures 4.3 Milling process and equipment are monitored during batch manufacture to ensure operation is maintained 4.4 Machines or equipment are inspected and adjusted as required, and readouts are recorded and interpreted 4.5 Quality inspections and sampling are undertaken according to enterprise procedures 4.6 Records, log or checklists are completed according to enterprise procedures
5 Maintain operation of equipment or process conditions	5.1 Variations or irregularities of equipment operation or process conditions are identified and reported 5.2 Production difficulties are anticipated and action is taken to prevent occurrence by timely intervention according to enterprise procedures 5.3 Corrective action is documented and reported according to enterprise procedures
6 Shut down liquid ink or coating blend or milling process	6.1 Pre-shutdown checks are carried out and documented according to enterprise procedures 6.2 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures 6.3 Shutdown is conducted in association with fellow workers and in compliance with WHS requirements 6.4 Product or materials used in manufacture are removed from operating area where appropriate 6.5 Solid and liquid waste is removed from operating area and

ELEMENT	PERFORMANCE CRITERIA
	recycled or disposed of, where required, according to regulatory requirements and enterprise procedures
7 Clean up	7.1 Equipment cleaning requirements are identified 7.2 Correct equipment or materials for manual or mechanical cleaning are selected 7.3 Cleaning is undertaken according to enterprise procedures and WHS requirements

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 2.1, 3.2, 6.2	Identifies and interprets information from job and manufacturer's specifications and enterprise procedures
Writing	1.1, 2.1, 4.6, 5.1, 5.3, 6.1	Documents actions and outcomes in accordance with enterprise procedures
Oral communication	5.1, 5.3	Provides information regarding issues encountered and actions undertaken
Numeracy	3.2, 4.4	- Measures and records quantities of materials - Checks machine readouts and measuring devices for accuracy and resets as required
Navigate the world of work	2.1, 2.4, 3.1, 3.3, 4.1, 4.2, 4.5, 4.6, 5.2, 5.3, 6.1-6.5, 7.3	Complies with legislative requirements and organisational policies and procedures relevant to own role
Interact with others	3.1, 4.1, 6.3	Cooperates with others as part of familiar routine activities and contributes to specific activities requiring joint responsibility
Get the work done	1.1, 1.2, 2.1-2.3, 3.4, 4.1, 4.3, 4.4, 5.2, 7.1, 7.2	- Follows clearly defined instructions and monitors own progress on tasks - Implements standard procedures when required to make routine decisions relevant to immediate tasks - Initiates standard procedures when responding to anticipated or actual problems directly related to own role

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPINK331 Manufacture inks and coatings	ICPIM331C Manufacture inks and coatings	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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