



Australian Government

ICPSCP333 Automatically prepare direct emulsion stencil

Release: 1

ICPSCP333 Automatically prepare direct emulsion stencil

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 select, prepare, coat and store direct emulsion stencils using automatic coating equipment.

It applies to individuals working in the printing and graphic arts industry who may have to set up and operate power-driven or hand-operated screen printing machines. They may have to provide leadership and guidance to others and have some limited responsibility for the output of others.

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

Unit Sector

Screen printing

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 Prepare work area and equipment	<p>1.1 Work area is made clean and functional prior to commencement of work</p> <p>1.2 Equipment is inspected to ensure it is functional and, where necessary, appropriate remedial action is taken prior to commencement of work</p> <p>1.3 Appropriate coating troughs for automatic coaters are selected, ensuring they are free of nicks and burrs</p> <p>1.4 Automatic coating equipment is inspected and routine user maintenance is carried out according to manufacturer instructions and enterprise procedures</p>

ELEMENT	PERFORMANCE CRITERIA
	1.5 Automatic coating equipment is adjusted to suit screen frame and mesh and emulsion
2 Prepare screen	2.1 Screen is selected according to job specifications 2.2 Chemicals are applied and removed according to work health and safety (WHS) requirements and manufacturer or supplier specifications 2.3 Tension of screen mesh is checked for suitability according to job specifications
3 Select emulsion	3.1 Emulsion is selected according to requirements for ink type, print resolution, substrate, mesh type and machine type 3.2 Emulsion is checked for expiry date and appropriate action taken 3.3 Emulsion is prepared according to WHS requirements and manufacturer or supplier specifications 3.4 Emulsion is used and dried according to manufacturer or supplier specifications
4 Process coated screen	4.1 Coated screen frame is placed in vacuum frame and adequately vacuumed with positive positioned according to manufacturer or supplier specifications 4.2 Light source is positioned according to manufacturer or supplier specifications 4.3 Exposure is calculated and stencil exposed according to manufacturer or supplier specifications 4.4 Exposed screen is removed from vacuum frame Exposed screen is washed after positive removal according to 4.5 WHS requirements and manufacturer or supplier specifications 4.6 Processed stencil or screen is inspected for flaws
5 Store screen	5.1 Prepared screen is labelled according to enterprise specifications 5.2 Prepared screen is stored in clean, dry environment according to manufacturer or supplier specifications

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	1.4, 2.1-2.3, 3.2-3.4, 4.1-4.3, 4.5, 5.1, 5.2	<ul style="list-style-type: none"> Establishes job requirements from relevant information Identifies correct process from procedural documentation
Writing	5.1	<ul style="list-style-type: none"> Completes routine labelling associated with production processes and enterprise procedures
Numeracy	4.3	<ul style="list-style-type: none"> Uses simple mathematical calculations to determine required exposure time
Navigate the world of work	1.4, 2.2, 3.3, 4.5, 5.2	<ul style="list-style-type: none"> Understands and complies with legislative requirements and organisational procedures relevant to own role
Get the work done	1.1-1.3, 1.5, 2.1, 2.3, 3.1, 3.2, 4.1, 4.2, 4.4, 4.6	<ul style="list-style-type: none"> Takes responsibility for planning and organising own workload, identifying ways of sequencing and combining elements for efficiency Automatically implements standard procedures for routine decisions Recognises and takes responsibility for addressing predictable problems in familiar work contexts Understands the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks, adapting some functions to improve efficiency

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPSCP333 Automatically prepare direct emulsion stencil	ICPSP333C Automatically prepare direct emulsion stencil	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>

