



Australian Government

ICPSCP2330 Manually prepare direct emulsion stencil

Release: 1

ICPSCP2330 Manually prepare direct emulsion stencil

Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 4.0.

Application

This unit describes the skills and knowledge required to safely select, prepare and store direct emulsion stencils using manual techniques.

It applies to individuals working in the printing and graphic arts industry under direct supervision and performing mainly routine tasks such as monitoring equipment and ensuring set processes are followed.

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	1.1 Clean work area according to enterprise procedures 1.2 Inspect equipment and undertake remedial action prior to commencement of work as required 1.3 Select coating trough and confirm it is free of nicks and burrs
2. Prepare screen	2.1 Select screen according to job specifications 2.2 Apply and remove according to work health and safety (WHS) requirements and manufacturer specifications 2.3 Check tension of screen mesh
3. Produce emulsion	3.1 Select emulsion according to requirements for ink type, print

ELEMENT	PERFORMANCE CRITERIA
	resolution, substrate, mesh type and machine type 3.2 Check emulsion expiry date and take action as required 3.3 Prepare emulsion 3.4 Apply and dry emulsion according to manufacturer specifications
4. Process coated screen	4.1 Position image films onto prepared screen and position in cleaned and prepared exposure device 4.2 Position light source according to manufacturer specifications 4.3 Calculate exposure and expose stencil 4.4 Remove exposed screen from vacuum frame exposure device 4.5 Wash exposed screen according to WHS requirements and manufacturer specifications 4.6 Inspect processed stencil or screen for flaws, scum and orientation 4.7 Spot out pinholes and tape according to ink type and job specifications
5. Clean stencil	5.1 Dry processed stencil according to manufacturer specifications 5.2 Remove backing sheet and check stencil for full adhesion
6. Store screen	6.1 Label prepared screen according to enterprise procedures 6.2 Store prepared screen according to manufacturer specifications

Foundation Skills

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

Skill	Description
Writing	Completes required details legibly and accurately for reference details
Numeracy	Identifies basic numerical data and calculates whole numbers and decimals for exposure time and measurements
Self-management	Takes personal responsibility for adherence to enterprise procedures relevant to own role
Planning and organising	- Follows clearly defined instructions and sequencing and monitors own progress for the task - Takes responsibility for routine low-impact decisions within

	familiar situations
Problem solving	• Responds to predictable problems and implements standard or logical solutions
Technology	• Identifies the purpose and some specific functions of some common digital tools used in work contexts

Unit Mapping Information

Supersedes and is equivalent to ICPSCP233 Manually prepare direct emulsion stencil.

Links

Companion Volume Implementation Guide is found on VETNet -

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