



Australian Government

Assessment Requirements for ICPSCP337

Prepare stencil using photographic capillary method

Release: 2

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Modification History

Release	Comments
Release 2	This version first released with ICP Printing and Graphic Arts Training Package Version 1.1. Version created to correct mapping table information.
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- correctly prepare TWO different direct screens using automatic coating equipment and expose, wash and dry the screen according to all manufacturer, job, enterprise and workplace safety requirements.

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:

- outline work health and safety (WHS) requirements when degreasing screens
- identify the significance of the mesh count and the selection of mesh count for the application of a capillary stencil
- discuss the impact of correct tension on the screen
- identify the chemicals that are used for degreasing screens
- outline the maintenance procedures that are employed for equipment in the stencil preparation area
- describe the peculiarities of photographic capillary stencils and the selection process
- identify pollution and environmental concerns to be addressed when working with capillary films
- identify wetting agents that are used to facilitate the application of the film to the screen
- outline problems that are caused by dust on the surface of the mesh

- discuss the importance of the position of film on the screen, the problems that can occur from poor or incorrect mounting techniques and how they can be rectified
- outline WHS concerns related to exposing stencils
- describe the correct drying distance and drying time, how these are calculated and the effects of incorrect drying temperatures
- discuss the need to dry film under safelight conditions and the function and use of a light integrator
- outline the removal of the backing sheet
- describe the effect that the position, angle and distance of the light source has on the exposure process
- outline the effect that temperature, pressure and time taken has on the washing out process
- describe the importance of blotting up excess water from the stencil to prevent scum and streaking
- outline how to determine when a stencil is dry
- explain how the ink and stencil types affect the blackout
- outline preventive measures that can be taken to prevent pinholes, and the importance of taping the edge of the frame
- describe how a screen can be identified at a later date
- identify maintenance that should be carried out on exposing, washing and drying equipment
- identify required manuals, safety and other documentation and briefly outline the relevant information in each source.

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 screen printing field of work and include access to chemicals and relevant equipment.

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>