

COGSM15

Unit 15: Carry out Screen Print Operations in SignMaking Environment



Overview

This unit covers the skills and knowledge that you will need to produce screen print products.

This involves checking and confirming that you have the correct resources for the screen print operation, and then carrying out the screen print operation according to specification, following approved quality and company procedures. The unit also deals with reporting any problems to the relevant personnel, and finally dealing with the screen printed product appropriately.

This unit deals with the following:

1. Carry out screen print operations

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

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Performance criteria

- You must be able to:*
- P1 Carry out the screen print operations in line with legal requirements, workplace policies, manufacturers' instructions, work instructions, Health and Safety and environmental
 - P2 Check and confirm that you carry out the work with the quality specifications, work instructions and screen print procedures relevant to the operations
 - P3 Ensure that you have the necessary resources for the screen print operation, including suitable PPE (Personal Protective Equipment)
 - P4 Carry out any relevant preparation technique
 - P5 Position and secure devices and equipment and, when appropriate, set out materials to the specified tension without distortion
 - P6 Carry out the screen print operation according to work instructions and safe operating/quality procedures
 - P7 Protect relevant surfaces from damage using an accepted method
 - P8 Report any problems promptly to the relevant personnel
 - P9 Deal appropriately with screen printed products and complete any necessary documentation

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Knowledge and understanding

You need to know and understand:

- K1 What the relevant Health and Safety and environmental requirements are and how to follow them
- K2 Why it is important to keep the work instructions safe and accessible
- K3 The importance of complying with the workplace policies, manufacturers' instructions, work instructions, Health and Safety and environmental policies
- K4 What the consequences to you and to others are of not following workplace policies, manufacturers' instructions, work instructions, Health and Safety and environmental requirements
- K5 What the hazards associated with your working environment are and the risks they pose
- K6 When and why it is necessary to wear personal protective equipment (PPE)
- K7 How to obtain and select appropriate personal protective equipment (PPE)
- K8 What the relevant authorisation procedures are and how to follow them
- K9 Who the relevant personnel are
- K10 What problems may occur
- K11 How to check that you have the correct work instructions and any relevant screen print procedures and quality specification
- K12 How to ensure that you have the appropriate equipment, tools, materials, techniques and methods needed to complete the activity, to include organic and non-organic mesh stencil equipment
- K13 How to use screen printing tools and equipment
- K14 What the specified positioning and quality tolerances are and why these are important
- K15 What different types of positioning and securing devices and equipment are used for
- K16 How to use positioning and securing devices and equipment
- K17 What relevant preparation technique to use
- K18 What acceptable protection methods are and when and how to use them
- K19 How to deal appropriately with screen printed products
- K20 When to complete documentation and why it must be completed accurately

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Additional Information

Glossary

Types of Substrate: Porous, non porous

Types of Inks: Water based, solvent based, spirit based

Methods of Application: Manual, automated

Types of Protection Methods: Warning signs, coverings, buffers, paddings

Positioning and Securing Methods: Vacuum, jigs, clamps, fixing materials

Stencil Preparation Techniques: Hand, photographic, light sensitive films

Relevant Personnel: Line manager, supervisor, team leader etc.

Relevant Health and Safety and Environmental Requirements: What your responsibilities are in respect of health and safety and environmental requirements and legislation, regulations, safe working practices, local, national and organisational/site specific procedures

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