

COGSIGN35

Signage - produce screen printed products



Overview

This unit deals with the following:

1. Produce screen printed products

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

Previous Version: Unit 3.15 National Occupational Standards in Signmaking (CWP1)

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Performance criteria

- You must be able to:*
- P1 select and obtain the necessary resources for inking the materials to the specified requirements, including suitable PPE (Personal Protective Equipment)
 - P2 select and use the appropriate stencil and equipment preparation techniques that match the materials and substrate
 - P3 select and use suitable tools and equipment according to manufacturers' instructions and safety requirements
 - P4 position and secure devices and equipment
 - P5 when appropriate, set out materials to the specified tension without distortion
 - P6 perform the screen printing operation according to specification following quality procedures and protect surfaces from damage
 - P7 monitor and control the screen printing operation and identify any faults, variations and/or problems that occur
 - P8 make any necessary adjustments within the limits of your authority
 - P9 report any faults, variations and/or problems that you cannot solve and/or are not your responsibility to the relevant person
 - P10 remove and dispose of waste materials safely using an approved method
 - P11 deal appropriately with screen printed products and complete any necessary documentation
 - P12 follow relevant health and safety and environmental requirements and legislation at all times

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Knowledge and understanding

You need to know and understand:

- K1 how to determine equipment, tools, materials, techniques and methods needed to complete the activity
- K2 how to select and use appropriate resources i.e., equipment, tools, materials, techniques and methods to screen print sign materials and products
- K3 how to identify and determine the appropriateness of PPE (Personal Protective Equipment) for work activities, to include equipment to protect head, (respiratory system) trunk, hands and feet
- K4 how to interpret work instructions and establish requirements
- K5 what are suitable screen printing tools and equipment for given jobs, to include organic and non-organic mesh stencil equipment
- K6 how to use screen printing and setting out tools and equipment
- K7 what the specified positioning and quality tolerances are and why these are important
- K8 what different types of positioning and securing devices and equipment are used for
- K9 how to use positioning and securing devices and equipment
- K10 what the characteristics of inks are and how this affects their use
- K11 what the different methods are of applying inks
- K12 how to perform and monitor the screen printing operation
- K13 what faults, variation or problems may occur in the screen printing operation
- K14 how to make necessary adjustments within your permitted authority
- K15 who are the relevant personnel
- K16 what is regarded as waste and how to minimise it and remove it following approved methods
- K17 how to deal appropriately with screen printed products
- K18 what causes damage to products and how to prevent this, to include preventing contamination from equipment, environment, colleagues and passing goods
- K19 what are acceptable protection methods and when and how to use them
- K20 what documentation is necessary
- K21 what legislation and organisational codes of practice are relevant
- K22 what are the consequences of not following legislation and organisational requirements
- K23 what health and safety and environmental requirements and legislation are relevant and how to follow them
- K24 what are the consequences to you and to others of not following health and safety and environmental legislation

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Additional Information

Glossary

Types of Substrate

Porous, non porous

Types of Ink

Water based, solvent based, spirit based

Methods of Application

Manual, automated

Types of Protection Methods

Warning signs, coverings, paddings, buffers

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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Suite Signmaking

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