

COGSM14

Unit 14: Carry out Spray Paint Operations in SignMaking Environment



Overview

This unit covers the skills and knowledge that you will need to spray paint during signage operations.

This involves checking and confirming that you have the correct resources for the spray paint operation, preparing the surface to be sprayed, and then carrying out the spray paint 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 sprayed product appropriately.

This unit deals with the following:

1. Carry out spray paint 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 spray paint operations in line with legal requirements, workplace policies, manufacturers' instructions, work instructions, Health and Safety and environmental requirements
 - P2 Check and confirm that you carry out the work with the quality specifications, work instructions and any spray paint procedures relevant to the operations
 - P3 Ensure that you have the necessary resources for the spray paint operation, including suitable PPE (Personal Protective Equipment)
 - P4 Confirm you have the required template shapes, measure and then position on the materials to be spray painted
 - P5 Carry out the relevant preparation technique and ensure that the substrate is suitably prepared to receive subsequent treatments and coatings
 - P6 Carry out the spray paint operation according to work instructions and safe operating/quality procedures
 - P7 Ensure that the time left between treatments and coatings meets manufacturers' recommendations
 - P8 Protect surfaces from damage using an accepted method
 - P9 Report any problems promptly to the relevant personnel
 - P10 Deal with spray painted 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 and how to follow them are
- 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 spray paint procedures and quality specification
- K12 How to ensure that you have the appropriate equipment, tools, materials, techniques and methods needed to complete the activity
- K13 How to use spray painting tools and equipment
- K14 How to use shapes accurately and draw them onto a suitable template material
- K15 How to use template materials appropriate for the work to be completed and what the consequences are of not using the appropriate template material
- K16 What specified positioning and quality tolerances are and why these are important
- K17 What preparation technique should be used
- K18 How and when to apply coatings
- K19 What acceptable protection methods are and when and how to use them
- K20 How to deal with spray painted products
- K21 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 Coatings: Pre-treatments, primers, intermediate coatings, finishing coatings

Masking Preparation Methods: Manual, automated

Types of Masking Materials: Rigid, flexible

Paint Preparation Technique: Stir, strain, decant, viscosity adjustment

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

Methods of Application: Air, airless, electrostatic, high volume/low pressure (HVLP)

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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