

COGSIGN34

Signage - produce spray painted products



Overview

This unit deals with the following:

1. Produce spray painted 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 3.14 National Occupational Standards in Signmaking (CWP1)

COGSIGN34

Signage - produce spray painted products

Performance criteria

- You must be able to:*
- P1 select and obtain the necessary resources for spray painting the materials to the specified requirements, including suitable PPE (Personal Protective Equipment)
 - P2 identify required template shapes, measure and where necessary, cut and then position on the materials to be painted
 - P3 ensure that the substrate is suitably prepared to receive subsequent treatments and coatings
 - P4 select and carry out the relevant preparation technique to match the materials being used
 - P5 perform the spray painting operation according to specification following quality procedures
 - P6 monitor and control the spray painting operation and identify any faults, variations and/or problems that occur
 - P7 make any necessary adjustments within the limits of your authority
 - P8 report any faults, variations and/or problems that you cannot solve and/or are not your responsibility to the relevant person
 - P9 make sure that the time left between treatments and coatings meets manufacturers' recommendations and protect surfaces from damage using an accepted method
 - P10 remove and dispose of waste materials safely using an approved method
 - P11 deal appropriately with spray painted products and complete any necessary documentation
 - P12 follow relevant health and safety and environmental requirements and legislation at all times

COGSIGN34

Signage - produce spray painted products

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 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
- K3 how to interpret work instructions
- K4 what are suitable spray painting tools and equipment for given jobs.
- K5 how to use spray painting tools and equipment
- K6 how to measure shapes accurately and draw them onto a suitable template material
- K7 how to identify and select template materials appropriate for the work to be completed and what the consequences are of not using the appropriate template material
- K8 what specified positioning and quality tolerances are and why these are important
- K9 how to select the appropriate technique for preparing materials and treatments
- K10 different types of substrates and how their characteristics affect the preparation and choice of coating
- K11 how and when to apply coatings
- K12 what are acceptable protection methods and when and how to use them
- K13 how to prevent contamination from equipment, environment, colleagues and passing goods
- K14 how to perform and monitor the spray painting operation
- K15 what faults, variation or problems may occur in the spray painting operation
- K16 how to make necessary adjustments within your permitted authority
- K17 who are the relevant personnel
- K18 what is regarded as waste and how to minimise it and remove it following approved methods
- K19 how to deal appropriately with spray painted products
- 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

COGSIGN34

Signage - produce spray painted products

Additional Information

Glossary

Types of Substrate

Porous, non porous

Types of Coatings

Pre-treatments, primers, intermediate coatings, finishing coatings

Masking Preparation Method

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

COGSIGN34

Signage - produce spray painted products

Developed by Cogent

Version number 1

Date approved January 2010

Indicative review date January 2012

Validity Current

Status Original

Originating organisation Cogent

Original URN SIGN34

Relevant occupations Professional Occupations; Engineering Professionals; Engineering and manufacturing technology; Manufacturing technologies

Suite Signmaking

Key words work instructions, spray paint procedure, preparation techniques, quality specification, templates, protection methods, PPE, monitor, control, adjust, authority, minimise waste, variations