Overview

This standard is about

1. interpreting information
2. adopting safe and healthy working practices
3. selecting and preparing materials and associated equipment
4. providing protection to the work area
5. applying water-borne and/or solvent-borne coatings by brush and/or roller in industrial and/or non-industrial situations
Performance criteria

You must be able to:

P1 interpret the given information relating to the work and resources to confirm its relevance

P2 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe and healthy work practices

P3 select the required quantity and quality of resources for the methods of work

P4 comply with organisational procedures to minimise the risk of damage to the work and surrounding area

P5 comply with the given contract information to carry out the work efficiently to the required specification

P6 complete the work within the allocated time, in accordance with the programme of work
Knowledge and understanding

You need to know and understand:

Performance Criteria 1
Interpretation of information
K1 the organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented
K2 the types of information, their source and how they are interpreted
K3 the organisational procedures to solve problems with the information and why it is important they are followed

Performance Criteria 2
Safe work practices
K4 the level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied
K5 how emergencies should be responded to and who should respond
K6 the organisational security procedures for tools, equipment and personal belongings
K7 what the accident reporting procedures are and who is responsible for making the report
K8 why, when and how health and safety control equipment should be used

Performance Criteria 3
Selection of resources
K9 the characteristics, quality, uses, sustainability, limitations and defects associated with the resources and how defects should be rectified
K10 how the resources should be used and how any problems associated with the resources are reported
K11 the organisational procedures to select resources, why they have been developed and how they are used
K12 the hazards associated with the resources and methods of work and how they are overcome
COSVR333 - SQA Unit Code F284 04
Apply paint systems by brush and roller

<table>
<thead>
<tr>
<th>Performance Criteria 4</th>
<th>You need to know and understand:</th>
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<tbody>
<tr>
<td>Minimise the risk of damage</td>
<td>K13  how to <strong>protect work</strong> from damage and the purpose of protection</td>
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<td>K14  why <strong>disposal of waste</strong> should be carried out safely and how it is achieved</td>
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<thead>
<tr>
<th>Performance Criteria 5</th>
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<tbody>
<tr>
<td>Meet the contract specification</td>
<td>K15  how <strong>methods of work</strong>, to meet the specification, are carried out and <strong>problems</strong> reported</td>
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<td>K16  how <strong>maintenance</strong> of tools and equipment is carried out</td>
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<tr>
<th>Performance Criteria 6</th>
<th>You need to know and understand:</th>
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<tr>
<td>Allocated time</td>
<td>K17  what the <strong>programme</strong> is for the work to be carried out in the estimated, allocated time and why deadlines should be kept</td>
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Additional Information

**Scope/range related to performance criteria**

<table>
<thead>
<tr>
<th>Performance Criteria 1</th>
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<tbody>
<tr>
<td>1. interpretation of specifications, current regulations, risk assessments, method statements and manufacturers' information related to the work to be carried out</td>
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<tr>
<th>Performance Criteria 2</th>
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<tr>
<td>2. avoidance of risk by complying with the given information relating the following</td>
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<tr>
<td>2.1 methods of work</td>
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<tr>
<td>2.2 safe use of health and safety control equipment</td>
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<tr>
<td>2.3 safe use of access equipment</td>
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<td>2.4 safe use and storage of materials, tools and equipment</td>
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<td>2.5 specific risks to health</td>
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<th>Performance Criteria 3</th>
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<tbody>
<tr>
<td>3. selection of resources associated with own work</td>
</tr>
<tr>
<td>3.1 materials</td>
</tr>
<tr>
<td>3.2 tools and equipment</td>
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<tr>
<th>Performance Criteria 4</th>
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<tbody>
<tr>
<td>4. protection of the work and its surrounding area from damage</td>
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<td>5. minimise damage and maintain a clean work space</td>
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<td>6. disposal of waste in accordance with legislation</td>
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<tr>
<td>7. demonstration of work skills to match, mix, pour, dilute, load, lay-on, lay-off and cut-in</td>
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<tr>
<td>8. use and maintain tools and associated equipment</td>
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<tr>
<td>9. apply water-borne and/or solvent-borne coatings to internal and/or external surfaces for industrial and/or non-industrial situations, to given working instructions for linear/trim/narrow-runs, broad areas and detailed/complex work by brush and/or roller</td>
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<td>10. completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client</td>
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Scope/range related to knowledge and understanding

Disposal of waste
1 environmental responsibilities, organisational procedures, manufacturers’ information, statutory regulations and official guidance

Emergencies
2 operative’s response to situations in accordance with organisational authorisation and personal skills when involved with
  2.1 fires, spillages, injuries
  2.2 emergencies relating to occupational activities

Hazards
3 those identified by risk assessment, method of work, manufacturers’ technical information, statutory regulations and official guidance

Health and safety control equipment
4 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
  4.1 collective protective measures
  4.2 personal protective equipment (PPE)
  4.3 respiratory protective equipment (RPE)
  4.4 local exhaust ventilation (LEV)

Information
5 specifications, current legislation, risk assessments, method statements and manufacturers’ information

Legislation and official guidance
6 this relates to the operative’s responsibilities regarding potential accidents and health hazards whilst working in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling

Maintenance
7 operative care of brushes, rollers and associated tools and equipment
Methods of work

8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:

8.1 establish access requirements
8.2 check suitability of previously prepared surfaces
8.3 prepare and apply water-borne and solvent-borne coatings by brush and roller
8.4 prepare coatings with activators
8.5 coat broad areas, linear/trim/narrow runs and detailed, complex structural/architectural items
8.6 stripe-coat surface features (industrial environment)
8.7 test wet and dry film thickness
8.8 identify how atmospheric conditions affect coatings and their application process
8.9 identify the working life of prepared materials
8.10 use access equipment
8.11 use brushes, rollers and associated tools and equipment

9 team work and communication

10 needs of other occupations associated with applying paint systems by brush and roller

Problems

11 those arising from information, resources and methods of work

11.1 own authority to rectify
11.2 organisational reporting procedures

Programme

12 types of progress charts, timetables and estimated times

13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

14 protect work against damage from general workplace activities, other occupations and adverse weather conditions
Resources
15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist:
15.1 water-borne and solvent-borne coatings
15.2 primers, intermediate coatings (undercoats) and finishes (single and two-pack coatings)
15.3 single-product systems (e.g. emulsions, varnishes, timber colour treatments)
15.4 specialist coatings
15.5 solvents/thinners
15.6 knottings, proprietary sealers
15.7 brushes, rollers and other associated equipment
15.8 protective sheeting and masking materials
15.9 access equipment
15.10 hand tools and associated equipment

16 methods of calculating quantity of materials required associated with the method/procedure to paint by brush and roller

Security procedures
17 site, workplace, company and operative
Developed by | ConstructionSkills  
Version number | 3  
Date approved | January 2012  
Indicative review date | January 2017  
Validity | Current  
Status | Original  
Originating organisation | ConstructionSkills  
Original URN | VR333  
Relevant occupations | Painters and Decorators  
Suite | Decorative Finishing and Industrial Painting Occupations (Construction), Accessing Operations and Rigging, Innovative/Modern Methods of Construction, Maintenance Operations; Building Maintenance Multi-trade Repair and Refurbishment Operations  
Key words | Coating; Lay-on; Prime; Emulsion; Varnish; Stripe-coat; Solvent-borne; Water-borne