



## **Regulated Qualifications Unit and Assessment Specification**

<b>Unit title</b>	Applying Paint Systems by Brush and Roller in the Workplace
<b>Regulator unit code</b>	T/616/9512
<b>SQA unit code</b>	H5YP 68
<b>SSC Ref</b>	VR 333Av3

## History of changes

**Publication date:** November 2014

**Version:** 02 (July 2017)

<b>Version number</b>	<b>Date</b>	<b>Description</b>	<b>Authorised by</b>
02	July 2017	Unit Specification updated to reflect current Ofqual terminology	Qualifications Officer

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## Regulated Qualifications Unit specification

<b>Title</b>	Applying Paint Systems by Brush and Roller in the Workplace	
<b>Level</b>	2	
<b>Credit value</b>	22	
<b>Learning Outcomes</b>	<b>Assessment Criteria</b>	
<b>The learner will:</b>	<b>The learner can:</b>	
1 Interpret the given information relating to the work and resources when applying paint systems by brush and/or roller.	1.1 Interpret and extract relevant information from specifications, current regulations, risk assessments, method statements and manufacturers' information.	1.2 Comply with information and/or instructions derived from risk assessments and method statements.
	1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.	1.4 Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> <li>◆ specifications, current legislation, risk assessments, method statements and manufacturers' information</li> </ul>
2 Know how to comply with relevant legislation and official guidance when applying paint systems by brush and/or roller.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: <ul style="list-style-type: none"> <li>◆ 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</li> </ul>	2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3 Explain what the accident reporting procedures are and who is responsible for making reports.	

<b>Learning Outcomes</b>	<b>Assessment Criteria</b>
<b>The learner will:</b>	<b>The learner can:</b>
<p>3 Maintain safe and healthy working practices when applying paint systems by brush and/or roller.</p>	<p>3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when applying paint systems by brush and/or roller.</p> <p>3.2 Comply with information relating to specific risks to health when applying paint systems by brush and/or roller.</p> <p>3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to applying paint systems by brush and/or roller, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>◆ collective protective measures</li> <li>◆ personal protective equipment (PPE)</li> <li>◆ respiratory protective equipment (RPE)</li> <li>◆ local exhaust ventilation (LEV)</li> </ul> <p>3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.</p> <p>3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.</p>
<p>4 Select the required quantity and quality of resources for the methods of work to apply paint systems by brush and/or roller.</p>	<p>4.1 Select resources associated with own work in relation to materials, tools and equipment.</p>

<b>Learning Outcomes</b>	<b>Assessment Criteria</b>
<b>The learner will:</b>	<b>The learner can:</b>
	<p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>◆ water-borne and solvent-borne coatings</li> <li>◆ primers, intermediate coatings (undercoats) and finishes (single pack coatings)</li> <li>◆ single-product systems (eg emulsions, varnishes)</li> <li>◆ solvents/thinners</li> <li>◆ knotting, proprietary sealers</li> <li>◆ brushes, rollers and other associated equipment</li> <li>◆ protective sheeting and masking materials</li> <li>◆ access equipment</li> <li>◆ hand tools and associated equipment</li> </ul> <p>4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p> <p>4.4 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.</p> <p>4.5 Describe any potential hazards associated with the resources and methods of work.</p> <p>4.6 Describe how to calculate quantity of materials required associated with the method/procedure to paint by brush and roller.</p>
<p>5 Minimise the risk of damage to the work and surrounding area when applying paint systems by brush and/or roller.</p>	<p>5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.</p> <p>5.2 Minimise damage and maintain a clean work space.</p> <p>5.3 Dispose of waste in accordance with current legislation.</p>

Learning Outcomes	Assessment Criteria
The learner will:	The learner can:
	<p>5.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.</p> <p>5.5 Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.</p>
<p>6 Complete the work within the allocated time when applying paint systems by brush and/or roller.</p>	<p>6.1 Demonstrate completion of the work within the allocated time.</p> <p>6.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to:</p> <ul style="list-style-type: none"> <li>◆ types of progress charts, timetables and estimated times</li> <li>◆ organisational procedures for reporting circumstances which will affect the work programme</li> </ul>
<p>7 Comply with the given contract information to apply paint systems by brush and/or roller to the required specification.</p>	<p>7.1 Demonstrate the following work skills when applying paint systems by brush and/or roller:</p> <ul style="list-style-type: none"> <li>◆ mixing, pouring, diluting, loading, laying-on, laying-off and cutting-in</li> </ul> <p>7.2 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:</p> <ul style="list-style-type: none"> <li>◆ linear/trim/narrow-runs and broad areas by brush and/or roller</li> </ul> <p>7.3 Safely use materials, tools and associated equipment.</p> <p>7.4 Safely store the materials, tools and equipment used when applying paint systems by brush and/or roller.</p>

Learning Outcomes	Assessment Criteria
<b>The learner will:</b>	<b>The learner can:</b>
	<p>7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> <li>◆ establish access requirements</li> <li>◆ check suitability of previously prepared surfaces</li> <li>◆ prepare and apply water-borne and solvent-borne coatings by brush and roller</li> <li>◆ prepare coatings with activators</li> <li>◆ coat broad areas, linear/trim/narrow runs</li> <li>◆ test wet and dry film thickness</li> <li>◆ identify how atmospheric conditions affect coatings and their application process</li> <li>◆ identify the working life of prepared materials</li> <li>◆ use access equipment</li> <li>◆ use brushes, rollers and associated tools and equipment</li> </ul> <p>7.6 Describe the needs of other occupations and how to effectively communicate within a team when applying paint systems by brush and roller.</p> <p>7.7 Describe how to maintain brushes, rollers and the associated tools and equipment used when applying paint systems by brush and/or roller.</p>

<b>Additional information about the unit</b>
<b>Unit purpose and aim(s)</b>
The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Applying Paint Systems by Brush and Roller in the Workplace within the relevant sector of industry.
<b>Unit start date</b>
01 November 2014
<b>Details of the relationship between the unit and relevant national occupational standards (if appropriate)</b>
This unit is based on the National Occupational Standard 'Apply Paint Systems by Brush and Roller' (VR 333).
<b>Details of the relationship between the unit and other standards or curricula (if appropriate)</b>
N/A
<b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>
<p>This unit must be assessed in a work environment, in accordance with:</p> <ul style="list-style-type: none"> <li>◆ the Additional Requirements for Qualifications using the title NVQ in QCF</li> <li>◆ the Construction Skills Consolidated Assessment Strategy for Construction and the Built Environment</li> </ul> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against one of the following endorsements:</p> <ul style="list-style-type: none"> <li>◆ Decorative finishing</li> <li>◆ Industrial painting</li> </ul>
<b>Endorsement of the unit by a sector or other appropriate body (if required)</b>
CITB
<b>Location of the unit within the subject/sector classification system</b>
5.2 Building and Construction



<b>Additional information about the unit (cont)</b>
<b>Name of the organisation submitting the unit</b>
CITB
<b>Guided Learning Hours</b>
93

## Regulated Qualifications Assessment specification

### Assessment (evidence) requirements

The evidence requirements for this unit are shown in the main body of the unit under the section titled 'Assessment requirements or guidance specified by a sector or regulatory body'.

### Guidance on methods/instruments of assessment

#### Occupational skills (OS) unit

This unit is designed to assess the skills of learners in the workplace. Observation of learner performance can only be carried out on-the-job and should always be the primary and preferred source of evidence of competent performance.

Collection of supplementary evidence of performance can be used to further substantiate, support and expand the evidence base for competent performance where this is necessary. This may arise in situations where evidence from direct observation of the learners on-the-job is deemed insufficient to fully meet the required standards. Supplementary evidence may include:

- ◆ witness testimony
- ◆ questioning
- ◆ professional discussion
- ◆ product and photographic evidence
- ◆ relevant active documentation, reports, presentations
- ◆ other valid evidence which relates directly to learner performance on-the-job

SQA's Guide to Assessment is designed to provide support for everyone who assesses for SQA qualifications. It looks at the principles of assessment, and brings together information on assessment in general as well as on best practice in assessment. The Guide to Assessment can be downloaded free from SQA's website [www.sqa.org.uk](http://www.sqa.org.uk).