

<b>Title:</b>	<b>Use Specialist Paint Systems</b>
<b>Level:</b>	2
<b>Credit Value:</b>	7
<b>GLH</b>	70
<b>Unique Reference Number:</b>	K/618/0863
<b>Aim:</b>	The aim of this unit is to provide learners with the skills and knowledge to be able to interpret information required and apply paint using paint systems.
<b>Assessment</b>	Assessment of this unit will be through the completion of a NOCN devised practical task and associated knowledge questions (written or verbal). This unit is internally assessed and internally and externally quality assured using the NOCN assessment booklet to evidence all learning outcomes.
<b>Learning outcomes</b>	
<i>The learner will:</i>	
1.	Be able to interpret the information required in order to apply paint using paint systems.
<b>Delivery content:</b>	
The aim of this learning outcome is to provide learners with the skills and knowledge to be able to interpret the information required to prepare to apply paint using paint systems.	
The learner must:	
<ul style="list-style-type: none"> <li>• identify the <b>documentation</b> and the details contained within in order to be able to complete given tasks.</li> <li>• identify and report any inaccuracies with supplied information in accordance with organisational procedures.</li> <li>• identify different types of <b>drawings</b> and their purpose.</li> <li>• interpret different types of <b>drawings</b> including <b>common scales</b> and symbols and hatchings.</li> <li>• read and apply measurements from the information correctly.</li> <li>• calculate the area of the surface to be painted.</li> <li>• use manufacturer's information to use resources appropriately.</li> </ul>	
2.	Be able to identify tools, equipment and materials required to apply paint using paint systems.
<b>Delivery content:</b>	
The aim of this learning outcome is to provide learners with the skills and knowledge to be able to identify and select the <b>tools, equipment</b> and <b>materials</b> required to apply paint using paint systems.	
The learner must:	
<ul style="list-style-type: none"> <li>• identify all <b>tools, equipment</b> and <b>materials</b> from the provided information and confirm that it is correct for the given tasks.</li> <li>• report any discrepancies in accordance with organisational procedures.</li> <li>• carry out checks on all resources provided to ensure they are fit for purpose and free from <b>defects</b>.</li> <li>• report and replace any that do not meet requirements in accordance with organisational procedures.</li> </ul>	
3.	Be able to prepare work areas and materials in order to be able to apply paint using paint systems.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to be able to carry out preparations to apply paint using paint systems.

The learner must:

- review risk assessments to identify **hazards** and ensure relevant **protection equipment** is used correctly.
- identify any **hazards** present and ensure any present are mitigated.
- report issues and mitigating work carried out in accordance with organisational procedures.
- ensure the work area is cleared and ready to use paint systems with surrounding areas protected.
- ensure all tools and equipment are in place and set out, safely and logically in order to support effective completion of the tasks.
- prepare surfaces for the use of paint systems.
- carry out calculations to identify the correct quantities of **materials** required for the given tasks.
- select and prepare the **materials** that are needed to use paint systems.

4. Be able to apply paint using paint systems.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to be able to apply paint using paint systems in accordance with given tasks.

The learner must:

- select suitable paint to apply appropriate colour scheme in accordance with specification.
- work to angles and obstacles.
- apply paint to different background surfaces and **components** using appropriate paint systems avoiding **defects**.
- test wet and dry film thickness.
- apply **protection** to protect complete works from damage.

5. Be able to complete works following the application of paint using paint systems.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to complete work.

The learner must:

- clean, inspect and store all **tools, equipment** and excess **materials** and store in accordance with manufacturers' guidance.
  - report issues in accordance with organisational procedures.
  - clean the work area and dispose of all waste in accordance with legislative requirements, manufacturers' guidance and organisational procedures.
  - leave the work area in a safe and clean condition, using **collective protective** measures as appropriate.
- complete all final paperwork as required and file correctly.

### Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas, knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.

#### Assessment:

The Assessment Workbook is available from NOCN.

	<b>Requirements</b>		
<b>Documentation and sources of information</b>	Current legislation relating to health and safety Job specification	Risk assessments Manufacturer's guidance Method statements	
<b>Drawings</b>	2D and 3D drawings (including elevations)	Site and location plans BIM related models	
<b>Common scales</b>	To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500		
<b>Tools and Equipment</b>	Tape measurement Laser level Spirit level Buckets Masking machine Waste sacks Sweeping brushes Air spray high volume low pressure (HVL) systems: Gravity feed / Suction feed / Pressure feed Component parts: Turbine units, high volume (HV) airline, gravity feed gun, suction feed gun, pressure feed gun, fluid line, airline, transformer, pressure pot, set-up (fluid tip, fluid needle, air cap), air compression outfit (ACO), extension cable.	Hop ups / access equipment Rags Viscometer Ratio stick Shovels Pressure pot components: Container, lid, clamps, seal, air inlet valve, pressure regulator, pressure gauge, safety valve, fluid delivery tube, fluid outlet valve (where appropriate) Spray gun components: Spray gun body, air inlet connector, air valve, trigger, air baffle, air cap, fluid needle, fluid tip, fluid needle packing, spreader control valve (where appropriate), fluid needle adjuster	
<b>Materials</b>	Masking tape (exterior, interior, low tack, crepe, 7 day)	Water-borne coatings Solvent	Lubricants
<b>Personal protective equipment</b>	Steel toe-capped boots Gloves Goggles	Hard hat High-visibility clothing Barrier cream	Respiratory protection Hearing protection
<b>Collective protective equipment</b>	Signage Barriers	Sheeting	Local exhaust ventilation (LEV)
<b>Hazards</b>	Slips, trips and falls Working at height Confined spaces Dermatitis	Manual handling Hazardous substances Fire	Electrical equipment and leads Plant and equipment Cuts and abrasions

<b>Protection</b>	Signage Barriers Masking paper Masking shield Drop sheets Tarpaulin	Plastic / polythene sheeting Dust sheets (lightweight, protective backing, heavy duty)	Hessian Waste disposal / recycling Self-adhesive protection
<b>Defects / faults</b>	<b>Defects:</b> Runs, Sags, Dry spray, Banding, Overspray, Orange peel <b>Material faults:</b> Contamination, incorrect viscosity		<b>Equipment faults:</b> Electrical failure, dirty air cap, needle packing, fluid tip or needle (loose, damaged or worn), incorrect set-up (fluid tip), fluttering, defective spray patterns, fluid leakage, kinked hoses, spluttering