

<b>Title:</b>	<b>Preparing Surfaces for Decorating</b>
<b>Level:</b>	2
<b>Credit Value:</b>	12
<b>GLH</b>	120
<b>Unique Reference Number:</b>	K/618/0846
<b>Aim:</b>	The aim of this unit is to provide learners with the skills and knowledge to be able to prepare a range of background surfaces for painting and decorating in accordance with instructions.
<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 prepare background surfaces for painting and decorating.
<b>Delivery content:</b>	
<p>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 background surfaces for painting and decorating.</p> <p>The learner must:</p> <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>, symbols and hatching.</li> <li>• read and apply measurements from the information correctly.</li> <li>• calculate the area of the surface requiring preparation.</li> <li>• use manufacturer's information to appropriately prepare and use resources.</li> </ul>	
2.	Be able to identify tools, equipment and materials required to prepare background surfaces for painting and decorating.
<b>Delivery content:</b>	
<p>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 prepare surfaces for painting and decorating.</p> <p>The learner must:</p> <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 to ensure they are fit for purpose and free from defects.</li> <li>• report and replace resources that do not meet requirements in accordance with organisational procedures.</li> </ul>	
3.	Be able to prepare work areas in order to carry out background surface preparation for painting and decorating.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to be able prepare the work area prior to carrying out surface preparation for painting and decorating.

The learner must:

- review risk assessments to identify **hazards** and ensure any **protection equipment** is used correctly.
- inspect the work area to identify **hazards** and ensure any present are mitigated.
- report any issues and mitigating work carried out in accordance with organisational procedures.
- ensure the work area is cleared and ready for preparation of surfaces to begin with surrounding areas protected.
- carry out calculations to identify the correct quantities of materials required for the given tasks.
- select and prepare the **materials** needed to prepare surfaces for painting and decoration.

4. Be able to prepare a range of background surfaces.

**Delivery content:**

The aim of this learning outcome is to provide learners with the knowledge and skills to prepare **background surfaces** in accordance with given tasks.

The learner must:

- remove loose, semi-loose and obstructive materials from the specified surface.
- fill, level and abrade background surfaces.
- wash down and remove contamination from background surfaces.
- rectify damaged backgrounds and correct **defects**.
- apply **preparatory treatments** to background surfaces.
- prepare a range of backgrounds to receive decorative materials.
- dispose of waste in accordance with legislation.

5. Be able to complete works following the preparation of background surfaces.

**Delivery content:**

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

The learner must:

- clean, inspect and store all **tools, equipment** and excess **materials** in accordance with manufacturers' guidance.
- report any 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 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: 1:1, 1:2, 1:5, 1:10, 1:20, 1:50, 1:100, 1:500 and 1:2500		
<b>Tools</b>	Scrapers Knotting brush Rubbing blocks (rubber / cork / wood) Dusting brush Filling knives / blades Hawk Fibre brush Shavehooks Stiff scrubbing brushes Craft knife Pole sander	Putty knives Punch Natural and synthetic brushes Roller trays Filling board Caulking blades Chisel Wall brush Sponges Wetting-in brush	Chisel knives Hammer Short pile and foam rollers Woven fabric rollers Wire brushes Chipping hammers Trowel Knife Lint-free cloths Dusting brush Pointing trowel
<b>Equipment</b>	Paint pots / kettles Industrial vacuum Containers Chisel guns Orbital sander Buckets Transformer Needle gun Rotary sander	Liquid petroleum gas (LPG) burning off equipment Peelable strippers Cartridge gun/cage Access equipment (hop up, working platforms, trestles etc.)	Electric hot-air gun Extension cable Non-combustible panel Steam stripper Moisture meter Palm sander Powered chipping hammer
<b>Materials</b>	Solvents (white spirit and methylated spirits) Single pack fillers Two pack fillers Aluminium oxide Primers and sealers (zinc phosphate, single and two pack etch primers, aluminium, wood, acrylic, stabilising solution) Stabilising solutions Sterilising fluids Fungicidal washes Expanding foam PVA primer/sealer	Shellac / patent / white knotting Degreasing agents Emery paper Water-borne primers Joint fillers Joint tapes Solvent-borne primers (alkali resisting primer) Detergents Stain blocks (propriety and non-propriety) Plaster Acrylic coloured timber fillers	Stoppers Rust removers Mordant solutions Steel wool Plaster-based fillers Reinforced corner tapes Abrasives (glasspaper, aluminium oxide, silicon carbide, steel wool, emery cloths) Water-based fillers Solvent-based stoppers and fillers Cement mortar Emulsion
<b>Personal protective equipment</b>	Steel toe-capped boots Gloves Goggles	Hard hat High-visibility clothing	Respiratory protection Hearing protection

<b>Collective protective equipment</b>	Signage Barriers	Fire extinguisher Local exhaust ventilation (LEV)
<b>Hazards</b>	Slips, trips and falls Working at height Confined spaces Cuts and abrasions Fire	Manual handling Hazardous substances (including lead and asbestos)
<b>Protection</b>	Signage Barriers Signage Waste disposal / recycling Self-adhesive polythene sheet/roll	Plastic/hessian sheeting Polythene sheeting Dust sheeting Twill sheets Masking tape
<b>Background surfaces</b>	Plastered Plasterboard Previously plastered (solid and fibrous) / rendered Previously tiled Previously paneled Previously painted / decorated Timber (softwood (pine, cedar and spruce) and hardwood (oak, beech and mahogany) Plastics (PVCu)	Brick Block Concrete Manufactured board Metal (ferrous (cast iron, wrought iron and steel) and non-ferrous (copper, aluminum and lead) Timber sheet products (medium density fibreboard (MDF), plywood, hardboard, blockboard)
<b>Preparation processes</b>	Solvent wiping Washing down Dry and wet abrading Knotting Priming Stopping Filling Descaling	Degreasing Raking out Wetting in Making good Scraping Caulking and taping Proud, back and flush filling
<b>Damage</b>	General work activities Adverse weather	Plant movement Vandalism Trespassing Theft
<b>Defects</b>	Blistering Cracking or crazing Flaking Excessive film thickness Peeling Mould and fungi Efflorescence Moss and lichen Paper contaminated with paste / paint / textured coatings Contamination (dirt, grease, silicone, wax, polish, carbon/smoke, friable) Cissing	Discolouration Slow or non-drying surface coating Bleeding (nicotine, resin, bitumen) Chalking and powdering Loss of gloss Wrinkling and shriveling Bittiness Runs Sags Missing facing putties Wet and dry rot Corrosion