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| Title: | Apply Render to External Surfaces |
| Level: | 2 |
| Credit Value: | 12 |
| GLH | 120 |
| Unique Reference Number: | H/618/0876 |
| Aim: | The aim of this unit is to provide the learners with the skills and knowledge to be able to interpret information required and apply render to external surfaces in accordance with instructions. |
| Assessment | 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. |
| Learning outcomes | |
| <i>The learner will:</i> | |
| 1. Be able to interpret the information required in order to apply render to external surfaces. | |
| Delivery Content: | |
| <p>The aim of this learning outcome is to provide learners with the skills and knowledge to interpret the information required when applying render to external surfaces.</p> <p>The learner must:</p> <ul style="list-style-type: none"> • identify the documentation and the details contained within in order to be able to complete given tasks. • identify and report any inaccuracies with supplied information in accordance with organisational procedures. • identify different types of drawings and their purpose. • interpret drawings including common scales and symbols and hatchings used. • read and apply measurements from the information correctly. • calculate the area of the surface to be rendered. • use manufacturer's information to appropriately use resources. | |
| 2. Be able to identify tools, equipment and materials required when applying render to external surfaces. | |
| Delivery Content: | |
| <p>The aim of this learning outcome is to provide the learners with the skills and knowledge to identify and select the tools, equipment and materials to apply render to external surfaces.</p> <p>The learner must:</p> <ul style="list-style-type: none"> • identify the requirements from the provided information and confirm that it is correct for the given tasks. • report any discrepancies in accordance with organisational procedures. • carry out checks on all resources to ensure they are fit for purpose and free from defects. • report and replace any defective resources that do not meet requirements in accordance with organisational procedures. | |

3. Be able to prepare work areas and materials in order to be able to apply render to external surfaces.

Delivery Content:

The aim of this learning outcome is to provide the learners with the skills and knowledge to carry out preparations in order to apply render to external surfaces.

The learner must:

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

4. Be able to apply render to external surfaces.

Delivery Content:

The aim of this learning outcome is to provide the learners with the skills and knowledge to apply render to external surfaces.

The learner must:

- apply different renders and finishes to a range of **background surfaces**.
- select appropriate **methods** and processes for applying render to external surfaces.
- use a range of **methods** and processes to apply render.
- apply **protection** to completed works.

5. Be able to complete works following the application of render to external surfaces.

Delivery Content:

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

| | Requirements | | |
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| Documentation and sources of information | Current legislation relating to health and safety Job specification | Risk assessments Manufacturer's guidance Method statements | |
| Drawings | 2D and 3D drawings (including elevations) | Site and location plans BIM related models | |
| Common scales | To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500 | | |
| Tools | Tape measure Spirit level Scraper Finishing trowel Hawk Spot board Screwdriver Feather/straight edge Rule | Float Spatula Tin snips Internal/External Angle trowels Bucket and gauging trowels Builders square Devils float Scarifier /scratching comb | |
| Equipment | Laser level Mixing equipment / paddle mixer Access equipment (hop up, working platforms, trestles etc.) Sponge | Waste sacks Shovel Bucket Brushes | |
| Materials | Limes (hydraulic, hydrated) Cements (Portland) Internal / external trims (Bell cast, render stop, angle, stop, expansion) | Render (Sand and cement, sand and lime, propriety one coats) Plasticisers Water-proofers Bonding agents | Binder Fixings (galvanised screws / nails, acrylics) Aggregates/sands Sands |
| Personal protective equipment | Steel toe-capped boots Gloves Goggles | Hard hat High-visibility clothing | Respiratory protection Hearing protection |
| Collective protective equipment | Signage Barriers | Sheeting Signage | |
| Hazards | Slips, trips and falls Working at height Confined spaces Cuts and abrasions | Manual handling Hazardous substances Fire | Electrical equipment and leads Plant and equipment |
| Background surfaces | Brick | Block | Stone (non-mandatory) |

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| Methods appropriate to background surface | Clean off Control of suction Damp/bonding agent Mixing plaster Butter coats | Pricking/dubbing coat Scratch coat and key first coat Floating coat Decorative finishes | Dot and dab Freehand method Setting coat Broad screen method Dash (various) |
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