

<b>Title:</b>	<b>Laying modular paving</b>
<b>Level:</b>	2
<b>Credit Value:</b>	10
<b>GLH</b>	100
<b>Unique Reference Number:</b>	R/618/0842
<b>Aim:</b>	The aim of this unit is to provide learners with the skills and knowledge to be able to interpret and follow information in order to lay modular paving to given specifications and within tolerances 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 be able to lay modular paving.
<b>Delivery content:</b>	
The aim of this learning outcome is to provide the learner-with the skills and knowledge to interpret the information required for laying modular paving.	
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 different drawings 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.</li> <li>• be able to identify and report any inaccuracies with the supplied information in accordance with organisational procedures.</li> <li>• calculate the area to be paved.</li> <li>• describe the purpose of a datum point and demonstrate how this is used to establish location and height of the structure.</li> <li>• use manufacturers' information to appropriately use resources.</li> </ul>	
2.	Be able to identify the tools, equipment and materials required to be able to lay modular paving.
<b>Delivery content:</b>	
The aim of this learning outcome is to provide learners with the skills and knowledge to identify and select the <b>tools, equipment</b> and <b>materials</b> required to lay modular paving.	
The learner must:	
<ul style="list-style-type: none"> <li>• identify the requirements 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> </ul>	

- report and replace any resources that do not meet requirements in accordance with manufacturers' guidance and organisational procedures.

3. Be able to prepare work areas in order to lay modular paving.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to carry out preparations in order to lay modular paving.

The learner must:

- interpret risk assessments to identify hazards and ensure any collective protection equipment is used correctly.
- Inspect the work area to identify any **hazards** present and ensure that 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 lay modular paving with surrounding areas protected.
- carry out calculations to identify the correct quantities of **materials** required for the given tasks.
- ensure all **materials** are prepared including cutting as required.
- set out resources safely and logically in order to support effective completion of the given tasks.

4. Be able to lay modular paving.

**Delivery content:**

The aim of this learning outcome is to provide learners with the skills and knowledge to lay modular paving in accordance with given tasks.

The learner must:

- identify and confirm the horizontal and vertical datum points are correct.
- measure from datum points to set out the required works in the correct location.
- measure and mark out the work area in preparation for laying modular paving.
- lay and compact over-site / sub-base materials appropriately.
- gauge and mix compounds in accordance with manufacturer's instructions.
- lay, compact and finish the paving in accordance with specification / given instructions / **patterns**.
- ensure that all work is accurate to specification.
- apply **protection** to protect complete works from damage and adverse weather.

5. To able to complete works following the laying modular paving.

**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** 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 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		
<b>Documentation</b>	Current legislation relating to health and safety Job specification Method statements		Risk assessments Manufacturers' guidance Building regulations
<b>Drawings</b>	2D and 3D drawings BIM related models Site and location plans Assembly plans		Section details Block plans Site plans Orthographic and isometric projections
<b>Common scales</b>	To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500		
<b>Tools</b>	Tamper blocks Tape measure Trowel Laser level	Straight edge/screed batten Floating trowels Wheelbarrow	Hammers/mallets Level String lines Tampers
<b>Equipment</b>	Wheelbarrow Mechanical mixer Brushes Shovels	Buckets Mechanical cutting equipment Rakes	Powered tampers Block cutter Pins / pegs
<b>Materials</b>	Hardcore (various) Paving (various) Kerbs/edging	Membranes Concrete mixes Joint sealer	Damp proof course Cement Sand
<b>Personal protective equipment</b>	Steel toe-capped boots Gloves Goggles Hard hat		High-visibility clothing Respiratory protection Hearing protection Knee pads
<b>Collective protective equipment</b>	Signage Barriers Sheeting		
<b>Hazards</b>	Slips, trips and falls Working at height Confined spaces Manual handling		Hazardous substances Fire Electrical equipment and leads Plant and equipment

	Cuts and abrasions	
<b>Components</b>	Access covers Inspection chamber covers	Manhole covers Surface water drainage
<b>Patterns / bonds</b>	Herringbone (45° / 90°) Stack bond	Basket weave Stretcher

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