

Title:	Non-Specialist Concrete: Placing and Finishing
Level:	2
Credit Value:	19
GLH	190
Unique Reference Number:	D/618/0844
Aim:	The aim of this unit is to provide evidence that the learners is able to interpret and follow the information required in order to place and finish non-specialist concrete to given specifications and within tolerances.
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 be able to place and finish non-specialist concrete.
Delivery content:	
<p>The aim of this learning outcome is to provide the learners with the skills and knowledge to interpret the information necessary to place and finish non-specialist concrete.</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 the supplied information in accordance with organisational procedures. • identify different types of drawings and their purpose. • interpret different types of drawing including common scales and symbols and hatchings. • read and apply measurements from the information correctly. • describe the purpose of a datum point and demonstrate how this is used to establish location and height of the structure. • use manufacturers' information to appropriately use resources. 	
2.	Be able to identify the tools, equipment and materials required to be able to place and finish non-specialist concrete.
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, materials and equipment required to place and finish non-specialist concrete</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 provided to ensure they are fit for purpose and free from defects. • report and replace any defective resources in accordance with manufacturers' guidance and organisational procedures. 	

3. Be able to prepare work areas in order to be able to place and finish non-specialist concrete.

Delivery content:

The aim of this learning outcome is to provide learners with the skills and knowledge to prepare work areas ready to place and finish non-specialist concrete.

The learner must:

- interpret risk assessments to identify hazards and ensure any **collective protection equipment** is installed correctly.
- inspect the work area and identify any **hazards** that are present and ensure that any present are mitigated.
- report issues in accordance with organisational procedures.
- ensure that the work area is cleared and ready for the placing and finishing of non-specialist concrete and surrounding areas protected.
- carry out calculations to identify the correct quantities of materials required for the given tasks.
- ensure that all resources are prepared as required.
- set out resources safely and logically in order to support effective completion of the given tasks.

4. Be able to place and finish non-specialist concrete.

Delivery content:

The aim of this learning outcome is to provide the learners with the skills and knowledge to be able to place and finish non-specialist concrete.

The learner must:

- identify and confirm the datum point and datum heights are correct.
- measure from datum point to set out the required works in the correct location.
- construct and secure edgings and basic formwork.
- place and secure **reinforcement** as required.
- lay non-specialist concrete to specification.
- finish concrete using appropriate **finishing methods** to specification.
- ensure that all work is accurate to specification.
- use curing methods for concrete and apply **protection** to protect complete works from damage and adverse weather.

5. Be able to complete works following the placement and finishing of non-specialist concrete.

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 the work area in a safe clean condition, using collective protective measures as appropriate.
- complete all final paperwork as required and file correctly.

Scope of Training

The following details the requirements that **must** be met in order to achieve the learning outcome.

Assessment:

The Assessment Workbook is available from NOCN.

	Requirements		
Documentation	Current legislation relating to health and safety Job specification Method statements	Risk assessments Manufacturers' guidance Building regulations	
Drawings	2D and 3D drawings BIM related models Site and location plans Assembly plans	Section details Block plans Site plans Orthographic and isometric projections	
Common scales	To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500		
Tools / Equipment	Shovels Tampers (including powered tampers) Laser levels Spirit levels Buckets	Wheelbarrows Vibrating pokers Steel cutter Hammers Rakes Screeding batten	Floating trowels Brushes Powered floats Lines and pins Straight edge
Materials	Aggregates Retaining items (edgings and basic formwork)	Cement Associated fixtures and fittings	Additives Curing compounds
Reinforcement	Matting	Rods/bar	
Personal protective equipment	Steel toe-capped boots Gloves Goggles Hard hat	High-visibility clothing Respiratory protection Hearing protection Waterproof clothing	

Collective protective equipment	Signage Barriers Sheeting		
Hazards	Slips, trips and falls Working at height Confined spaces Manual handling Cuts and abrasions		Hazardous substances Fire Electrical equipment and leads Plant and equipment
Finishing methods	Tamped Trowelled	Floated	Brushed

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