

<b>Level:</b>	1
<b>Value for TQT:</b>	140
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
1 Interpret the given information relating to the work and resources when preparing and mixing construction related materials.	1.1 Interpret and extract relevant information from: <ul style="list-style-type: none"> <li>– drawings</li> <li>– specifications</li> <li>– schedules</li> <li>– method statements</li> <li>– risk assessments</li> <li>– manufacturers' information</li> <li>– suppliers' information.</li> </ul>
	1.2 Comply with information and/or instructions derived from risk assessments and method statements.
	1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4 Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> <li>– drawings</li> <li>– specifications</li> <li>– schedules</li> <li>– method statements</li> <li>– risk assessments</li> <li>– manufacturers' information</li> <li>– verbal and written instructions</li> <li>– sketches</li> <li>– electronic data</li> <li>– current regulations</li> <li>– official guidance.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when preparing and mixing construction related materials.	2.1 Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace</li> <li>– below ground level</li> <li>– in confined spaces</li> <li>– at height</li> <li>– with tools and equipment</li> <li>– with materials and substances</li> <li>– with the movement and storage of materials by manual handling and mechanical lifting.</li> </ul>

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<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
<p>2 continued</p>	<p>2.2 Describe the organisational security procedures for tools, equipment, and personal belongings in relation to:</p> <ul style="list-style-type: none"> <li>– site</li> <li>– workplace</li> <li>– company</li> <li>– operative</li> <li>– vehicles.</li> </ul>
	<p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>
	<p>2.4 Describe the types of fire extinguishers available and describe how and when they are used:</p> <ul style="list-style-type: none"> <li>– water</li> <li>– CO<sub>2</sub></li> <li>– foam</li> <li>– powder.</li> </ul>
<p>3 Maintain safe and healthy working practices when preparing and mixing construction related materials.</p>	<p>3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements.</p>
	<p>3.2 Demonstrate compliance with given information and relevant legislation in relation to at least two of the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	<p>3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	<p>3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p>

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<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
<p>3 continued</p>	<p>3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with:</p> <ul style="list-style-type: none"> <li>– fires, spillages, injuries</li> <li>– other task related activities.</li> </ul>
<p>4 Select the required quantity and quality of resources for the methods of work to prepare and mix construction related materials.</p>	<p>4.1 Select resources associated with own work in relation to:</p> <ul style="list-style-type: none"> <li>– materials and components</li> <li>– tools and equipment.</li> </ul>
	<p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– cementitious materials</li> <li>– resins</li> <li>– adhesives</li> <li>– bonding agents</li> <li>– colourings</li> <li>– waterproof coatings</li> <li>– grouts</li> <li>– pre-mixed compounds</li> <li>– hand and power tools.</li> </ul>
	<p>4.3 Describe how to confirm that the resources and materials conform to the specification.</p>
	<p>4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>
	<p>4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.</p>
	<p>4.6 Describe any potential hazards associated with the resources and methods of work.</p>
	<p>4.7 Describe how to calculate quantity, length, area, volume and wastage associated with the method and procedure to prepare and mix construction related materials.</p>
<p>5 Minimise the risk of damage to the work and surrounding area when preparing and mixing construction related materials.</p>	<p>5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.</p>
	<p>5.2 Maintain a clear and tidy work space.</p>
	<p>5.3 Dispose of waste in accordance with current legislation.</p>

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<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
	<p>5.4 Describe how to protect work from damage and the purpose of protection in relation to:</p> <ul style="list-style-type: none"> <li>– general workplace activities</li> <li>– other occupations</li> <li>– adverse weather conditions.</li> </ul> <p>5.5 Explain why the disposal of waste should be carried out safely in accordance with:</p> <ul style="list-style-type: none"> <li>– environmental responsibilities</li> <li>– organisational procedures</li> <li>– manufacturers’ information</li> <li>– statutory regulations</li> <li>– official guidance.</li> </ul>
<p>6 Complete the work within the allocated time when preparing and mixing construction related materials.</p>	<p>6.1 Demonstrate completion of the work within the estimated, allocated time.</p> <p>6.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to:</p> <ul style="list-style-type: none"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
<p>7 Comply with the given contract information to prepare and mix construction related materials to the required specification.</p>	<p>7.1 Demonstrate the following work skills:</p> <ul style="list-style-type: none"> <li>– measuring</li> <li>– gauging</li> <li>– stirring</li> <li>– mixing</li> <li>– agitating</li> <li>– blending.</li> </ul> <p>7.2 Use and maintain hand and power tools.</p> <p>7.3 Prepare at least two of the following materials for use to given working instructions:</p> <ul style="list-style-type: none"> <li>– cementitious</li> <li>– resins</li> <li>– adhesives</li> <li>– bonding agents</li> <li>– colourings</li> <li>– waterproof coatings</li> <li>– grouts</li> <li>– pre-mixed compounds.</li> </ul>

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<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
7 continued	7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– plan, set out and prepare cementitious materials, resins, adhesives, bonding agents, colourings, waterproof coatings, grouts and pre-mixed compounds for use</li> <li>– conform to agreed specifications</li> <li>– set up, prepare, conduct pre-start checks, start, operate, monitor the operation of and close down specialist mixing machinery and equipment</li> <li>– recognise types of materials and constituents</li> <li>– work with, around and in close proximity to plant or machinery and lifting equipment</li> <li>– monitor and check accuracy during progress and on completion of work</li> <li>– protect constituents and mixed materials</li> <li>– identify requirements for quality control including tests</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– use hand and power tools</li> <li>– use access equipment.</li> </ul>
	7.5 Describe the needs of other occupations and how to communicate effectively within a team.
	7.6 Describe how to maintain the tools and equipment used.

<b>Behaviours</b>	
When performing to this standard you are likely to demonstrate the following behaviours.	1 <b>Work safely:</b> Consider the safety of yourself and those around you, challenge unsafe behaviour.
	2 <b>Effective communication:</b> Oral, written, electronic, listening, body language, presentation.
	3 <b>Respect:</b> Apply equality, diversity and inclusion in dealing with others.
	4 <b>Team work:</b> Work effectively and safely with others with limited supervision.
	5 <b>Independent working:</b> Take responsibility for safe completion of your own work.
	6 <b>Logical thinking:</b> Use clear and valid reasoning when making decisions to safely undertake work instructions.
	7 <b>Working effectively:</b> Undertake the work in a reliable, safe and productive manner.
	8 <b>Time management:</b> Use own time effectively to complete the work instructions to schedule, take the time to be safe.
	9 <b>Adaptability:</b> Be able to adjust to changes to the work instructions, put safety first.

<b>Additional information about this unit</b>	
Assessment Guidance)	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment..</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ structure. Please refer to the NVQ structure applicable to the qualification/occupational area in which the candidate is being assessed.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	75
Assessment hours	10