



Unit Specification for Regulated Qualifications

Unit title	Laying Flexible Pavement Materials in the Workplace
Unit Level	2
Credit	14
Guided Learning Hours	85
SQA Unit code	HX63 66
Regulator Unit code	R/616/3863
Publication date	February 2018
Unit Owner and Reference	CITB 375v3
Version	1

Title:	Laying flexible pavement materials in the workplace	
Level:	2	
Value for TQT:	140	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when laying flexible pavement materials.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, risk assessments, method statements, and manufacturers' information.
	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"> – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information, verbal, written and graphical instructions, official guidance and current regulations governing the laying of flexible pavements materials.
2 Know how to comply with relevant legislation and official guidance when laying flexible pavement materials.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when laying flexible pavement materials.	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 when laying of flexible pavement materials.
	3.2	Demonstrate compliance with given information and relevant legislation when laying flexible pavement materials relating to the following: <ul style="list-style-type: none"> – safe use, storage and handling of materials, tools and equipment

	– specific risks to health
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3 continued	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to laying flexible pavement materials and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to lay flexible pavement materials.	4.1	Select resources associated with own work in relation to materials, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – unbound sub-base materials – jointing materials – flexible pavement materials, asphalt concretes, hot rolled asphalt, stone mastic asphalt, mastic asphalt and resin bound versions – hand tools, power tools, pedestrian operated plant and ancillary equipment.
	4.3	Describe how to confirm that the resources and materials conform to the specification.
	4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.6	Describe any potential hazards associated with the resources and methods of work.

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4	continued	4.7	Describe how identify by calculation quantity, length, area and wastage associated with the method and procedure to lay flexible pavement materials.
5	Minimise the risk of damage to the work and surrounding area when laying flexible pavement materials.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when laying flexible pavement materials.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how time is estimated – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to lay flexible pavement materials to the required specification.	7.1	Demonstrate the following work skills when laying flexible pavement materials: <ul style="list-style-type: none"> – measuring, marking out, preparing, laying, spreading, levelling, compacting and finishing.
		7.2	Use and maintain hand tools, power tools, pedestrian operated plant and ancillary equipment.
		7.3	Lay flexible pavement materials to given working instructions relating to: <ul style="list-style-type: none"> – unbound sub-base construction – preparing and forming joints – flexible surface material.

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7 continued	<p>7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – confirm the area and location of work, the operations, safety and security requirements including temporary traffic management and immediate area protection – prepare the area for laying of flexible pavement materials – conform to agreed specifications – determine the suitability of flexible pavement materials – lay, compact and finish unbound sub-base – prepare and form joints – lay, compact and finish flexible pavement materials – work around street furniture and ironwork – apply sealers, sealants, tack and bond coats and bitumen – work with, around and in close proximity to plant and machinery – return infrastructure to operational status – recognise and determine when specialist skills and knowledge are required and report accordingly – use hand tools, power tools, pedestrian operated plant and equipment. 	
	<p>7.5 Describe the needs of other occupations and how to effectively communicate within a team when laying flexible pavement materials.</p>	
	<p>7.6 Describe how to maintain the tools and equipment used when laying flexible pavement materials.</p>	

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Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, 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>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	75