



## Unit Specification for Regulated Qualifications

<b>Unit title</b>	Repairing, Preparing and Inspecting Substrates Prior to Laying Resin Floors in the Workplace
<b>Unit Level</b>	2
<b>Credit</b>	13
<b>Guided Learning Hours</b>	53
<b>SQA Unit code</b>	HW24 68
<b>Regulator Unit code</b>	R/616/5967
<b>Publication date</b>	November 2017
<b>Unit owner and reference</b>	CITB Unit 751 v1
<b>Version</b>	1

<b>Title:</b>	Repairing, preparing and inspecting substrates prior to laying resin floors in the workplace	
<b>Level:</b>	2	
<b>Value for TQT:</b>	130	
<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 repairing, preparing and inspecting substrates prior to laying resin floors.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, work instructions, electronic data, manufacturers' information, current regulations and official guidance.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when repairing, preparing and inspecting substrates prior to laying resin floors	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, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	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 repairing, preparing and inspecting substrates prior to laying resin floors.	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 repairing, preparing and inspecting substrates prior to laying resin floors.
	3.2	Demonstrate compliance with given information and relevant legislation when repairing, preparing and inspecting substrates prior to laying resin floors in relation to: <ul style="list-style-type: none"> <li>– safe handling of materials</li> <li>– safe use and storage of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>

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3 Continued.	3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to repairing, preparing and inspecting substrates prior to laying resin floors, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
4 Select the required quantity and quality of resources for the methods of work to repair, prepare and inspect substrates prior to laying resin floors.	4.1 Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– primers/bonding agents, repair compounds, reinforcement and damp proof membrane (DPM), curing agents</li> <li>– joints</li> <li>– hand tools, portable power tools, plant, machinery and ancillary equipment.</li> </ul>
	4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.	4.4 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5 Describe any potential hazards associated with the resources and methods of work.	4.6 Describe how to calculate quantity, length, area, volume and wastage associated with the method/procedure to repair, prepare and inspect substrates prior to laying resin floors.

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5 Minimise the risk of damage to the work and surrounding area when repairing, preparing and inspecting substrates prior to laying resin floors.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean 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 repairing, preparing and inspecting substrates prior to laying resin floors.	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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to repair, prepare and inspect substrates prior to laying resin floors to the required specification.	7.1	Demonstrate the following work skills when repairing, preparing and inspecting substrates prior to laying resin floors: <ul style="list-style-type: none"> <li>– assessing, measuring, marking out, cleaning, breaking out, removing, preparing, forming, chasing, priming, mixing, laying, compacting, levelling, repairing, curing, protecting and inspecting.</li> </ul>
	7.2	Use and maintain hand tools, portable power tools, plant, machinery and ancillary equipment
	7.3	Repair, prepare, using planers and surface grinders, and inspect substrates to given working instructions prior to laying resin floors.

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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"> <li>– assess condition of existing substrates</li> <li>– locate and protect services (water, gas, electric and waste)</li> <li>– prepare and protect service penetrations</li> <li>– prepare substrates, new concrete, old concrete, fine concrete screed and overlays on existing surfaces prior to laying resin</li> <li>– break out defective areas</li> <li>– work around, in close proximity with, plant and machinery</li> <li>– direct and guide plant and machinery</li> <li>– install, form and protect perimeter prior to repair</li> <li>– remove laitance and dust</li> <li>– remove contamination</li> <li>– abrade surfaces by grinding, planing and shot blasting</li> <li>– prepare edges</li> <li>– monitor and control exposure to vibration</li> <li>– work to lines, levels, falls and gradients</li> <li>– consider and check ambient conditions</li> <li>– mix, apply, protect and cure repaired areas</li> <li>– locate and prepare for the formation of movement, expansion, induced, toe-in, transition and floor-to-wall joints</li> <li>– test surfaces for adhesion by pull off method</li> <li>– test surfaces for moisture using a moisture meter</li> <li>– meet the agreed quality criteria</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– record and report</li> <li>– use hand tools, portable power tools and dust extraction equipment.</li> </ul>	
	<p>7.5 Describe the needs of other occupations and how to effectively communicate within a team when repairing, preparing and inspecting substrates prior to laying resin floors.</p>	
	<p>7.6 Describe how to maintain the tools and equipment used when repairing, preparing and inspecting substrates prior to laying resin floors.</p>	

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<b>Additional information about this unit</b>	
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	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	53