



Unit Specification for Regulated Qualifications

Unit title	Preparing and Installing Fully Supported Lead and Hard Metal Decorative Roofing and Cladding in the Workplace
Unit Level	3
Credit	30
Guided Learning Hours	110
SQA Unit code	HW42 68
Regulator Unit code	H/616/5732
Publication date	November 2017
Unit owner and reference	CITB Unit 687 v1
Version	1

Title:	Preparing and installing fully supported lead and hard metal decorative roofing and cladding in the workplace	
Level:	3	
Value for TQT:	300	
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 preparing and installing fully supported lead and hard metal decorative roofing and cladding.	1.1	Interpret and extract relevant information from oral/written instructions, 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"> – oral/written instructions, drawings, electronic data, specifications, schedules, method statement, risk assessments, manufacturers' information and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when preparing and installing fully supported lead and hard metal decorative roofing and cladding.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, buildings, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

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3 Maintain safe and healthy working practices when preparing and installing fully supported lead and hard metal decorative roofing and cladding.	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 preparing and installing fully supported lead and hard metal decorative roofing and cladding.
	3.2	Demonstrate compliance with given information and relevant legislation when preparing and installing fully supported lead and hard metal decorative roofing and cladding in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to preparing and installing fully supported lead and hard metal decorative roofing and cladding 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) – local exhaust ventilation (LEV)
	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.

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4 Select the required quantity and quality of resources for the methods of work to prepare and install fully supported lead and hard metal decorative roofing and cladding.	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: – lead, hard metal, underlay, vents, fixings, fittings and ancillary items – hand tools, power tools and equipment	
	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 and wastage associated with the method/procedure to prepare and install fully supported lead or hard metal decorative roofing and cladding.	
5 Minimise the risk of damage to the work and surrounding area when preparing and installing fully supported lead and hard metal decorative roofing and cladding.	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.	

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6 Complete the work within the allocated time when preparing and installing fully supported lead and hard metal decorative roofing and cladding.	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 progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme. 	
7 Comply with the given contract information to prepare and install fully supported lead and hard metal decorative roofing and cladding to the required specification.	7.1 Demonstrate the following work skills when preparing and installing fully supported lead and hard metal decorative roofing and cladding: <ul style="list-style-type: none"> – measuring setting/marking out, profiling, cutting, jointing, positioning, securing and finishing 7.2 Use and maintain hand tools, power tools and ancillary equipment. 7.3 Prepare and install fully supported lead or hard metal decorative roofing and cladding, incorporating coverings/weathering, to two of the following roof profiles to given working instructions <ul style="list-style-type: none"> – tapered – concave – convex – segmented 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"> – identify and report faults with sub-structure and roof interfaces – install/fabricate ventilation systems – lay underlay if required – prepare and install fully supported lead or hard metal decorative roofing and cladding to tapered, concave, convex or segmented profiles (spires, domes, capola, onion, barrel vault structures) – install fully supported lead or hard metal coverings/weatherings to surfaces and abutments for soffits, cornices/parapets and gutters – set/mark out roof/cladding – prepare/fabricate lead or hard metal (cut to length and profile) – join and terminate lead or hard metal in width and length – ensure the integrity of joints, fixings and ventilation – validate appropriate ways in which the work should be carried out 	

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7 Continued	7.4 – recognise sensitive areas cont – maintain heritage and archaeological integrity – maintain the principles of minimum intervention and reversible alterations – stop work at the point when conjecture begins and report findings – record work carried out (written, photographic or digital) – recognise and/or report endangered/protected flora and fauna – remove deteriorated and/or inappropriate materials – maintain existing structure – integrate existing and new constructional components or finishes – store salvageable fabric, materials and structural components – use hand tools, power tools and equipment – work at height – use access equipment	7.5 Describe the needs of other occupations and how to effectively communicate within a team when preparing and installing fully supported lead and hard metal decorative roofing and cladding.
	7.6 Describe how to maintain the tools and equipment used when preparing and installing fully supported lead and hard metal decorative roofing and cladding.	

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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> <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 areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	110