



Level 3 NVQ Diploma in Roofing Occupations (Construction)

Qualification Specification

Contents

	Page
Introduction	3
Qualification profile	3
Qualification structure	4
Centre requirements	7
Support for candidates	7
Assessment	8
Internal quality assurance	8
Adjustments to assessment	8
Results enquiries and appeals	9
Certification	9
Learning outcomes and assessment criteria	10

Introduction

The aim of this qualification is to recognise the knowledge, skills and competence of individuals who work in this specialised area of the construction industry. This qualification enables learners to gain recognition for their skills and the potential to take on more responsibility in the workplace.

The awarding organisation for this qualification is ProQual AB. This qualification is regulated by the Office of Qualifications and Examinations Regulation (Ofqual) and the Council for the Curriculum Examinations and Assessment (CCEA) Regulation. The Regulated Qualifications Framework (RQF) includes those qualifications regulated by Ofqual and CCEA Regulation.

Qualification Profile

Qualification title	ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction)
Ofqual qualification number	603/7178/X
Level	Level 3
Total qualification time	1670 hours
Guided learning hours	557
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	22/2/2021
Qualification end date	

Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

Qualification Structure

Candidates must complete all of the Mandatory Units in one of the pathways:

Pathway 1 – Roof Slater

Pathway 2 – Roof Slater and Tiler

Pathway 3 – Roof Tiler

Pathway 1 – Roof Slater

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	GLH	CITB Ref (for info only)
A/503/2772	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	3	33	209v2
M/503/2915	Developing and Maintaining Good Occupational Working Relationships in the Workplace	5	27	210v2
R/503/2924	Confirming the Occupational Method of Work in the Workplace	3	37	211v2
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	7	641
T/618/6410	Installing underlay, battens and roofing components in the workplace	2	37	272v2
A/618/6411	Installing pre-formed weathering flashings to roofs in the workplace	2	33	273v2
F/618/6412	Installing double-lap artificial roof slates in the workplace	2	33	277v2
J/618/6413	Installing natural roof slate to mitred and vertical roof details in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	278v2
L/618/6414	Installing random natural roof slates with diminishing margins in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	279v2
R/618/6415	Stripping and reclaiming roof coverings in the workplace	2	50	280v2

Pathway 2 – Roof Slater and Tiler

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	GLH	CITB Ref (for info only)
A/503/2772	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	3	33	209v2
M/503/2915	Developing and Maintaining Good Occupational Working Relationships in the Workplace	5	27	210v2
R/503/2924	Confirming the Occupational Method of Work in the Workplace	3	37	209v2
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	7	641
T/618/6410	Installing underlay, battens and roofing components in the workplace	2	37	272v2
A/618/6411	Installing pre-formed weathering flashings to roofs in the workplace	2	33	273v2
Y/618/6416	Installing single-lap roof tiles to a variable gauge in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	43	274v2
D/618/6417	Installing plain tile roof coverings in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	57	275v2
F/618/6412	Installing double-lap artificial roof slates in the workplace	2	33	277v2
J/618/6413	Installing natural roof slate to mitred and vertical roof details in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	278v2
L/618/6414	Installing random natural roof slates with diminishing margins in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	279v2
R/618/6415	Stripping and reclaiming roof coverings in the workplace	2	50	280v2

Pathway 3 – Roof Tiler

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	GLH	CITB Ref. No (for info only)
A/503/2772	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	3	33	209v2
M/503/2915	Developing and Maintaining Good Occupational Working Relationships in the Workplace	5	27	210v2
R/503/2924	Confirming the Occupational Method of Work in the Workplace	3	37	211v2
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	7	641
T/618/6410	Installing underlay, battens and roofing components in the workplace	2	37	272v2
A/618/6411	Installing pre-formed weathering flashings to roofs in the workplace	2	33	273v2
R/618/6415	Stripping and reclaiming roof coverings in the workplace	2	50	280v2
H/618/6418	Installing single-lap roof tiles to a fixed gauge in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	33	282v2
K/618/6419	Installing double-lap roof tiles to curved and swept roof details in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	286v2
D/618/6420	Installing single and double lap roof tiles to mitred and vertical roof details in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	100	688v1

Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

Staff

Staff delivering this qualification must be appropriately qualified and occupationally competent.

Assessors/Internal Quality Assurance

For each competence-based unit centres must be able to provide at least one assessor and one internal quality assurance verifier who are suitably qualified for the specific occupational area. Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

Assessment

Candidates must demonstrate the level of knowledge described in the unit. Assessment is the process of measuring a candidate's knowledge and understanding against the standards set in the qualification.

Each candidate is required to produce evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

Evidence can include:

- assignments/projects/reports
- worksheets
- portfolio of evidence
- record of oral and/or written questioning
- candidate test papers

Learning outcomes set out what a candidate is expected to know, understand or be able to do.

Assessment criteria specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria for this qualification can be found from page 10.

Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

Certification

Candidates who achieve the required credits for qualifications will be awarded:

- A certificate listing the unit achieved with its related credit value, and
- A certificate giving the full qualification title -

ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction)

Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the required number of credits for a qualification. All certificates will be issued to the centre for successful candidates.

Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Title:	Conforming to general health, safety and welfare in the workplace.	
Unit Number:	M/508/6537	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the 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).
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

Title:	Conforming to general health, safety and welfare in the workplace.
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
2 continued	2.4 List the current Health and Safety Executive top five health risks.
	2.5 State how changing circumstances within the workplace could cause hazards.
	2.6 State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3 Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1 Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
	3.2 Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
	3.3 Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
	3.4 Safely store health and safety control equipment in accordance with given instructions.
	3.5 Dispose of waste and/or consumable items in accordance with legislation.
	3.6 State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> – dealing with accidents and emergencies associated with the work and environment – methods of receiving or sourcing information – reporting – stopping work – evacuation – fire risks and safe exit procedures – consultation and feedback.
	3.7 State the appropriate types of fire extinguishers relevant to the work.
	3.8 State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
	4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> – recognising when to stop work in the face of serious and imminent danger to self and/or others – contributing to discussions and providing feedback – reporting changed circumstances and incidents in the workplace – complying with the environmental requirements of the workplace.
	4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5 Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> – during the working day – on completion of the day's work – for unauthorised personnel (other operatives and the general public) – for theft.
	5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Title:	Conforming to general health, safety and welfare in the workplace.
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 Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7

Title:	Confirming work activities and resources for an occupational work area in the workplace	
Unit Number:	A/503/2772	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Identify work activities, assess required resources and plan the sequence of work.	1.1	Identify work activities, assess required resources and plan the sequence of work.
	1.2	Identify work activities and formulate a plan for their own sequence of work.
	1.3	Explain the types of work relative to the occupational area and how to identify different work activities.
	1.4	Explain methods of assessing the resources needed from a range of available information.
	1.5	Explain the required information and the different methods used to prepare a work programme relative to the occupational area.
2 Obtain clarification and advice where the resources required are not available.	2.1	Seek advice and clarity from appropriate sources on resources available and the alternatives that can be used for the work when required resources are not available.
	2.2	Explain the different sources and methods that can be used to obtain clarification and advice when the required resources are not available.
3 Evaluate the work activities and the requirements of any significant external factors against the project requirements.	3.1	Assess progress of work against project requirements, taking into account external factors relating to: <ul style="list-style-type: none"> – other occupations and /or customers – resources – weather conditions – health and safety requirements.
	3.2	Explain different methods of evaluating work activities against the following project requirements: <ul style="list-style-type: none"> – contract conditions – contract programme – health and safety requirements of operatives.
	3.3	Evaluate the requirements of significant external factors that could affect the progress of work, in relation to: <ul style="list-style-type: none"> – other related programmes – special working conditions – weather conditions – other occupations/people – resources – health and safety requirements.

Title:	Confirming work activities and resources for an occupational work area in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Identify work activities which influence each other and make the best use of the resources available.	4.1	Determine work activities that have an influence on each other.
	4.2	Evaluate which work activities make the best use of available resources in relation to: <ul style="list-style-type: none"> – occupations and/or customers associated with the work – tools, plant and/or ancillary equipment – materials and components.
	4.3	Explain different methods and sources that can identify which work activities influence each other.
	4.4	Describe how to determine the sequence of work activities and how long each work activity will take.
	4.5	Describe what zero and low carbon requirements are.
	4.6	Explain how work activities and different ways of using resources can impact on zero and low carbon requirements, and make a positive contribution to the environment.
5 Identify changed circumstances that require alterations to the work programme and justify them to decision makers.	5.1	Evaluate project progress against the work programme to identify any changed circumstances.
	5.2	Inform line management and/or customers on the type and extent of any required changes to the work programme.
	5.3	Explain how to identify possible alterations to the work programme to meet changed circumstances relating to action lists, method statements, duration, schedules and/or occupation specific requirements.
	5.4	Explain how to assess contractual/work effects resulting from alterations to the work programme.
	5.5	Explain the methods used to justify to decision makers on the effects resulting from alterations to the work programme.

Title:	Confirming work activities and resources for an occupational work area in the workplace
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>
Subject Sector Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Developing and maintaining good occupational working relationships in the workplace	
Unit Number:	M/503/2915	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Develop, maintain and encourage working relationships to promote good will and trust.	1.1	Give appropriate advice and information to relevant people about the occupational work activities and/or associated occupations involved.
	1.2	Apply the principles of equality and diversity by considering the needs of individuals when working and communicating with others.
	1.3	Explain the methods and techniques used and personal attributes required to encourage and maintain working relationships that promote goodwill and trust with relevant people.
	1.4	Explain the principles of equality and diversity and how to apply them when working and communicating with others.
2 Inform relevant people about work activities in an appropriate level of detail, with the appropriate level of urgency.	2.1	Communicate on the following work activity information to relevant people following organisational procedures: <ul style="list-style-type: none"> – appropriate timescales – health and safety requirements – co-ordination of work procedures.
	2.2	Explain the different methods and techniques used to inform relevant people about work activities.
	2.3	Explain the effects of not informing relevant people with the expected level of urgency.
	2.4	Explain the different types of work activity related information and to what level of detail the following people would expect to receive: <ul style="list-style-type: none"> – colleagues – employers – customers – contractors – suppliers of products and services – other people affected by the work/project.

Title:	Developing and maintaining good occupational working relationships in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Offer advice and help to relevant people about work activities and encourage questions/requests for clarification and comments.	3.1	Give appropriate advice and information to relevant people about the different methods of carrying out occupational work activities to achieve the required outcome.
	3.2	Explain the techniques of encouraging questions and/or requests for clarification and comments.
	3.3	Explain the different ways of offering advice and help to different people about work activities, in relation to: <ul style="list-style-type: none"> – progress – results – achievements – occupational problems – occupational opportunities – health and safety requirements – co-ordinated work.
4 Clarify proposals with relevant people and discuss alternative suggestions.	4.1	Engage regular discussions with relevant people about the occupational work activity and/or other occupations involved.
	4.2	Explain the methods of clarifying alternative proposals with relevant people.
	4.3	Explain the methods of suggesting alternative proposals.
5 Resolve differences of opinion in ways that minimise offence and maintain goodwill, trust and respect.	5.1	Examine and agree the work activities that satisfy all people involved and will meet the required outcome of the proposed method of work.
	5.2	Explain the methods and techniques used to resolve differences of opinion in ways which minimise offence and maintain goodwill, trust and respect.

Title:	Developing and maintaining good occupational working relationships in the workplace
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	27

Title:	Confirming the occupational method of work in the workplace	
Unit Number:	R/503/2924	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Assess available project data accurately to determine the occupational method of work.	1.1	Interpret and extract information from drawings, specifications, schedules, manufacturer's information, methods of work, risk assessments and programmes of work.
	1.2	Explain how to summarise the following project data: <ul style="list-style-type: none"> – required quantities – specifications – detailed drawings – health and safety requirements – timescales – scope of works.
	1.3	Explain the different methods of assessing available project data.
	1.4	Explain how to use project data to interpret the work method, In relation to: <ul style="list-style-type: none"> – standard work procedures – sequence of work – organisation of resources (people, equipment, materials) – work techniques – working conditions (health, safety and welfare) – risk assessment.
2 Obtain additional information from alternative sources in cases where the available project data is insufficient.	2.1	Collect and collate additional information from alternative sources to clarify the work to be carried out.
	2.3	Explain different methods and techniques of obtaining additional information from the following alternative sources when available project data is insufficient: <ul style="list-style-type: none"> – customers or representatives – suppliers – regulatory authorities – manufacturer's literature.

Title:	
Confirming the occupational method of work in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Identify work methods that will make best use of resources and meet project, statutory and contractual requirements.	3.1 Examine potential work methods to carry out the occupational work activity.
	3.2 Determine which work methods will make best use of relevant resources and meet health and safety requirements relating to technical and/or project criteria.
	3.3 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against technical criteria, in relation to: <ul style="list-style-type: none"> – health and safety welfare (principles of protection) – fire protection – access and egress – equipment availability – availability of competent workforce – pollution risk – waste and disposal – zero and low carbon outcomes – weather conditions.
	3.4 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against project criteria, in relation to: <ul style="list-style-type: none"> – conforming to statutory requirements – customer and user needs – contract requirements in terms of time, quantity and quality – environmental considerations.
	3.5 Explain how different methods of work can achieve zero/low carbon outcomes.
4 Confirm and communicate the selected work method to relevant personnel.	4.1 Confirm the selected occupational work method that meets project, statutory and contractual requirements.
	4.2 Communicate appropriately to relevant people on the selected occupational work method.
	4.3 Describe the different techniques and methods of confirming and communicating work methods to relevant people.
	4.4 Explain the principles of equality and diversity and how to apply them when working and communicating with others.

Title:	Confirming the occupational method of work in the workplace
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	37

Title:	Installing underlay, battens and roofing components in the workplace	
Unit Number:	T/618/6410	
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 installing underlay, battens and roofing components.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statement.
	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 working instructions, electronic data, drawings, specifications, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing underlay, battens and roofing components.	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, 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 installing underlay, battens and roofing components.	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 installing underlay, battens and roofing components.

Title:	Installing underlay, battens and roofing components in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing underlay, battens and roofing components in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health 	
	3.3 Explain why and when personal protective equipment (PPE) health and safety control equipment, identified by the principles of prevention, should be used, relating to installing underlay, battens and roofing components, 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.	
4 Select the required quantity and quality of resources for the methods of work to install underlay, battens and roofing components.	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"> – underlay, battens, counter-battens, undercloak, verge clips, eave ventilation systems and hip irons, – hand tools, power tools and ancillary 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.	

Title:	Installing underlay, battens and roofing components in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	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 install underlay, battens and roofing components	
5 Minimise the risk of damage to the work and surrounding area when installing underlay, battens and roofing components.	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 installing underlay, battens and roofing components	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 work schedules/diaries, 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 install underlay, battens and roofing components to the required specification.	7.1 Demonstrate the following work skills when installing underlay, battens and roofing components: <ul style="list-style-type: none"> – measuring, cutting, marking out, positioning and fixing . 	
	7.2 Use and maintain hand tools, power tools and ancillary equipment.	
	7.3 Set out battens to datum points and gauge.	

Title:	Installing underlay, battens and roofing components in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4	Install materials and components to eaves, verges, hips, ridges, valleys, abutments, openings, penetrations, general areas and vertical surfaces to given working instructions relating to the following for: <ul style="list-style-type: none"> – underlay – battens – counter battens – undercloaks – eaves ventilation systems – underlay support trays – fire- breaks.
	7.5	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interface – establish fixed points and determine the gauge to set out and fix batten positions – cut underlay, battens and roofing components to the required size and shape – fix underlay, battens and counter-battens, verge clips and hip irons – set out and determine overhang for wet and/or dry fix systems – fix undercloak for bedded verges and/or dry fix systems – install underlay to openings (roof lights, windows) and penetrations – install underlay support trays and eaves ventilation systems – form fire-stops – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing underlay, battens and roofing components.
	7.7	Describe how to maintain the tools and equipment used when installing underlay, battens and roofing components.

Title:	Installing underlay, battens and roofing components in the workplace
Additional information about this unit	
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>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	37

Title:	Installing pre-formed weathering flashings to roofs in the workplace	
Unit Number:	A/618/6411	
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 installing pre-formed weathering flashings to roofs.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing pre-formed weathering flashings to roofs.	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, 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 installing pre-formed weathering flashings to roofs.	3.1	Use health and safety control safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing pre-formed weathering flashings to roofs.

Title:	Installing pre-formed weathering flashings to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing pre-formed weathering flashings to roofs in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing pre-formed weathering flashings to roofs, 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.	
4 Select the required quantity and quality of resources for the methods of work to install pre-formed weathering flashings to roofs.	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"> – pre-formed lead flashings, proprietary flashings, soakers, patination fluids, pointing materials – hand tools, power tools and ancillary 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.	

Title:		Installing pre-formed weathering flashings to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>		Assessment criteria <i>The learner can:</i>	
4	Continued	4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity and length associated with the method/procedure to install weathering flashings to roofs.
5	Minimise the risk of damage to the work and surrounding area when installing pre-formed weathering flashings to roofs.	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 installing pre-formed weathering flashings to roofs.	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 work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Installing pre-formed weathering flashings to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
<p>7 Comply with the given contract information to install pre-formed weathering flashings to roofs to the required specification.</p>	<p>7.1 Demonstrate the following work skills when installing pre-formed weathering flashings to roofs:</p> <ul style="list-style-type: none"> – cutting, fitting, positioning, securing, dressing, pointing and finishing. 	
	<p>7.2 Use and maintain hand tools, power tools and ancillary equipment</p>	
	<p>7.3 Install pre-formed lead and/or proprietary flashings to single- and double-lap roof coverings, to given working instructions, relating to the following:</p> <ul style="list-style-type: none"> – chimneys – abutments – soil and/or vent pipes – junction saddles – valleys – openings (roof lights, windows). 	
	<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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – cut, fit and place lead and/or proprietary soakers – cut and fit flashing materials to the required size and shape – install step flashings – install valley liners and saddles – install lead aprons, back gutters, soil and/or vent pipe flashings – install flashings to openings (roof lights, windows) – dress flashings – point/seal flashings – apply patination fluid – install proprietary flashings and weatherings – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms. 	

	7.5 Describe the needs of other occupations and how to effectively communicate within a team when installing pre-formed weathering flashings to roofs.
	7.6 Describe how to maintain the tools and equipment used when installing pre-formed weathering flashings to roofs.

Title:	Installing pre-formed weathering flashings to roofs in the workplace
Additional information about this unit	
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>
Sector Support Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Installing double-lap artificial roof slates in the workplace	
Unit Number:	F/618/6412	
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 installing double-lap artificial roof slates.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing double-lap artificial roof slates.	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, 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 installing double-lap artificial roof slates.	3.1	Use health and safety control equipment safely and comply with the methods of works to carry out the activity in accordance with current legislation and organisational requirements when installing double-lap artificial roof slates.

Title:	Installing double-lap artificial roof slates in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing double-lap artificial roof slates in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing double-lap artificial roof slates, 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.
4 Select the required quantity and quality of resources for the methods of work to install double-lap artificial roof slates.	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"> – double-lap artificial slates, fittings, fixings, ridge and hip tiles, dry fix systems and ventilation systems, – hand tools, power tools and ancillary 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.

Title:	Installing double-lap artificial roof slates in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	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 install double-lap artificial roof slates.	
5 Minimise the risk of damage to the work and surrounding area when installing double-lap artificial roof slates.	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 installing double-lap artificial roof slates.	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 work schedules/diaries, 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 install double-lap artificial roof slates to the required specification.	7.1 Demonstrate the following work skills when installing double-lap artificial roof slates: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, positioning, securing and finishing. 	
	7.2 Use and maintain hand tools, power tools and ancillary equipment.	

Title:	Installing double-lap artificial roof slates in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.3	Install double-lap artificial slates and related fittings, fixings and components to given working instructions, using new materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry fix verges, ridges, hips and valleys.
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – install undereaves, eaves and top course – set out and install slates and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments, and general areas – set out and install double-lap artificial roof slates to vertical surfaces including gable ends, openings, penetrations, internal and external corners – install vents, ridge ventilation and other high level ventilation – form dry fix finishing details – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing double-lap artificial roof slates.
	7.6	Describe how to maintain the tools and equipment used when installing double-lap artificial roof slates.

Title:	Installing double-lap artificial roof slates in the workplace
Additional information about this unit	
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>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Unit Number:	J/618/6413	
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 installing natural roof slate to mitred and vertical roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing natural roof slate to mitred and vertical roof details.	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, 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 installing natural roof slate to mitred and vertical roof details.	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 installing natural roof slate to mitred and vertical roof details.

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2 Demonstrate compliance with given information and relevant legislation when installing natural roof slate to mitred and vertical roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing natural roof slate to mitred and vertical roof details, 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.
4 Select the required quantity and quality of resources for the methods of work to install natural roof slate to mitred and vertical roof details.	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"> – natural slates, fixings, soakers, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, and sand, cement and additives – 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.	

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	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 install natural roof slate to mitred and vertical roof details.	
5 Minimise the risk of damage to the work and surrounding area when installing natural roof slate to mitred and vertical roof details.	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 installing natural roof slate to mitred and vertical roof details.	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 work schedules/diaries, 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 install natural roof slate to mitred and vertical roof details to the required specification.	7.1 Demonstrate the following work skills when installing natural roof slate to mitred and vertical roof details: <ul style="list-style-type: none"> - measuring, setting out, marking out, grading, holing, cutting, fitting, mixing, positioning, securing and finishing. 	7.2 Use and maintain hand tools, power tools and ancillary equipment.

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	Install natural roof slates to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – mitred hips – mitred valleys – vertical surfaces – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges and ridges.
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – grade and hole slates – fix slates to battens or direct to boarded areas – set out and install slates and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments, vertical and general areas – form mitred hips and mitred valleys, including measuring, cutting and fitting of soakers – set out and install natural roof slates to vertical surfaces including gable ends, openings, penetrations, internal and external corners – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Additional information about this unit		
7 continued	7.4 cont	<ul style="list-style-type: none"> – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing regular sized natural roof slate to mitred and vertical advanced roof details.
	7.6	Describe how to maintain the tools and equipment used when installing natural roof slate to mitred and vertical roof details.

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Unit Number:	L/618/6414	
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 installing random natural roof slates with diminishing margins.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statement, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing random natural roof slates with diminishing margins.	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, 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 installing random natural roof slates with diminishing margins.	3.1	Use health and safety equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing random natural roof slates with diminishing margins.

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when installing random natural roof slates with diminishing margins in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing random natural roof slates with diminishing margins, 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.
	4	Select the required quantity and quality of resources for the methods of work to install random natural roof slates with diminishing margins.
	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"> – random sized natural slates, fixings, ridge and hip tiles, boards, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary equipment.

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	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 install random natural roof slates with diminishing margins.
5 Minimise the risk of damage to the work and surrounding area when installing random natural roof slates with diminishing margins.	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 installing random natural roof slates with diminishing margins.	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 work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to install random natural roof slates with diminishing margins to the required specification.	7.1	Demonstrate the following work skills when installing random natural roof slates with diminishing margins: <ul style="list-style-type: none"> – measuring, grading, sizing and holing, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.
	7.3	Install, random sized (length and width) natural roof slates (centre- and/or head-nailed) to battens and/or boards, and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys.
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – grade, size and hole slates – fix slates to battens or direct to boarded areas – maintain head laps for diminishing courses – maintain side laps for random width slates – recognise the relationship between head and side lap, roof pitch and geographical location – set out and install random sized (length and width) natural roof slates (centre-nailed and/or head-nailed), to battens and/or boards, fittings and components to eaves and top course, verges, ridge, hips, valleys, openings, (roof lights, windows) abutments and general areas – install vents, ridge ventilation and other high level ventilation

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.4 cont	<ul style="list-style-type: none"> – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing random natural roof slates with diminishing margins.
	7.6	Describe how to maintain the tools and equipment used when installing random natural roof slates with diminishing margins.

Title:	Installing random natural roof slates with diminishing margins in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Title:	Stripping and reclaiming roof coverings in the workplace	
Unit Number:	R/618/6415	
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 stripping and reclaiming roof coverings.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when stripping and reclaiming roof coverings.	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, 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 stripping and reclaiming roof coverings.	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 stripping and reclaiming roof coverings.

Title:	Stripping and reclaiming roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when stripping and reclaiming roof coverings. in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 stripping and reclaiming roof coverings, 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.
4 Select the required quantity and quality of resources for the methods of work to strip and reclaim roof coverings.	4.1	Select resources associated with own work in relation to 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"> – hand tools, power tools and ancillary 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 associated with the method/procedure to strip and reclaim roof coverings.

Title:	Stripping and reclaiming roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when stripping and reclaiming roof coverings.	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 stripping and reclaiming roof coverings.	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 strip and reclaim roof coverings to the required specification.	7.1	Demonstrate the following work skills when stripping and reclaiming roof coverings: <ul style="list-style-type: none"> – removing, reclaiming, de-nailing, re-holing, re-sizing, cleaning and sorting.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.
	7.3	Remove, reclaim and/or dispose of weathering materials and ancillary components to given working instructions, plus two of the following: <ul style="list-style-type: none"> – natural slates – plain tiles – single-lap tiles – stone slates.
	7.4	Prepare surface and materials ready for re-roofing in accordance with given working instructions.

Title:	Stripping and reclaiming roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.5 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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – position temporary stop boards at eaves – remove existing roof coverings – clear roof of debris and nails in rafters and other roof timbers – sort removed roof coverings and dispose of unwanted materials – reclaim reusable tiles and natural slates, stone slates and weatherings – assess the suitability of materials to be reclaimed – determine sizes of imperial and metric slates – stack/store reclaimed materials for reuse – prepare materials for reuse, including de-nailing, re-holing and re-sizing – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/work platforms. 	
	7.6 Liaise with clients regarding procedures for carrying out the work and protecting property and the surrounding area	
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when stripping and reclaiming roof coverings.	
	7.8 Describe how to maintain the tools and equipment used when stripping and reclaiming roof coverings.	

Title:	Stripping and reclaiming roof coverings in the workplace
Additional information about this unit	
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>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	50

Title:	Installing single-lap roof tiles to a variable gauge in the workplace	
Unit Number:	Y/618/6416	
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 installing single-lap roof tiles to a variable gauge.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing single-lap roof tiles to a variable gauge.	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, 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 installing single-lap roof tiles to a variable gauge.	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 installing single-lap roof tiles to a variable gauge.

Title:	Installing single-lap roof tiles to a variable gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing single-lap roof tiles to a variable gauge in relation to the following: <ul style="list-style-type: none"> — safe use of access equipment/working platforms – 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 installing single-lap roof tiles to a variable gauge, and the types, purpose and limitations of each type, work situations 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.
4 Select the required quantity and quality of resources for the methods of work to install single-lap roof tiles to a variable gauge.	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"> – single-lap tiles, fittings, fixings, ridge and hip tiles, dry fix systems, ventilation systems proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary equipment.
	4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.	

Title:	Installing single-lap roof tiles to a variable gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	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 install single-lap roof tiles to a variable gauge.	
5 Minimise the risk of damage to the work and surrounding area when installing single-lap roof tiles to a variable gauge.	5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisation 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 installing single-lap roof tiles to a variable gauge.	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 work schedules/diaries, 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 install single-lap roof tiles to a variable gauge to the required specification.	7.1 Demonstrate the following work skills when installing single-lap roof tiles to a variable gauge: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing. 	
	7.2 Use and maintain hand tools, power tools and ancillary equipment	

Title:	Installing single-lap roof tiles to a variable gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.3	Install single-lap roof tiles to a variable gauge and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys.
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install tiles to a variable gauge and components to eaves, verges, ridge, hips, valleys, openings (roof lights, windows) abutments and general areas – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – form dry and/or wet fix finishing details – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing single-lap roof tiles to a variable gauge.
	7.6	Describe how to maintain the tools and equipment used when installing single-lap roof tiles to a variable gauge.

Title:	Installing single-lap roof tiles to a variable gauge in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	43

Title:	Installing plain tile roof coverings in the workplace	
Unit Number:	D/618/6417	
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 installing plain tile roof coverings.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing plain tile roof coverings.	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, 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 installing plain tile roof coverings.	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 installing plain tile roof coverings.

Title:	Installing plain tile roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing plain tile roof coverings in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing plain tile roof coverings, 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.
4 Select the required quantity and quality of resources for the methods of work to install plain tile roof coverings.	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"> – plain tiles, fittings, fixings, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary 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.

Title:		Installing plain tile roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>		Assessment criteria <i>The learner can:</i>	
4	Continued	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 install plain tile roof coverings.
5	Minimise the risk of damage to the work and surrounding area when installing plain tile roof coverings.	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 safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing plain tile roof coverings.	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 work schedules/diaries, 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 install plain tile roof coverings to the required specification.	7.1	Demonstrate the following work skills when installing plain tile roof coverings: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
		7.2	Use and maintain hand tools, power tools and ancillary equipment.
		7.3	Install, plain roof tiles and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, widows) – dry and/or wet fix verges, ridges, hips and valleys.

Title:	Installing plain tile roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install tiles and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments and general areas – set out and install tiles to vertical surfaces including gable ends, openings, penetrations and internal and external corners – mix sand, cement and additives – mix proprietary roofing grade mortar – install vents, ridge ventilation and other high level ventilation – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms. 	
	7.5 Describe the needs of other occupations and how to effectively communicate within a team when installing plain tile roof coverings.	
	7.6 Describe how to maintain the tools and equipment used when installing plain tile roof coverings.	

Title:	Installing plain tile roof coverings in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	57

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Unit Number:	H/618/6418	
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 installing single-lap roof tiles to a fixed gauge.	1.1	Interpret and extract relevant information from oral/written working instructions drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings..
2 Know how to comply with relevant legislation and official guidance when installing single-lap roof tiles to a fixed gauge.	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, 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 installing single-lap roof tiles to a fixed gauge.	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 installing single-lap roof tiles to a fixed gauge.

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing single-lap roof tiles to a fixed gauge in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing single-lap roof tiles to a fixed gauge, 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.	
4 Select the required quantity and quality of resources for the methods of work to install single-lap roof tiles to a fixed gauge.	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"> – single-lap fixed gauge tiles, fittings, fixings, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives. – hand tools, power tools and ancillary 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.	

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	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 install single-lap roof tiles to a fixed gauge.	
5 Minimise the risk of damage to the work and surrounding area when installing single-lap roof tiles to a fixed gauge.	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 installing single-lap roof tiles to a fixed gauge.	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 work schedules/diaries, 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 install single-lap roof tiles to a fixed gauge to the required specification.	7.1 Demonstrate the following work skills when installing single-lap roof tiles to a fixed gauge: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing. 	
	7.2 Use and maintain hand tools, power tools, and ancillary equipment.	

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.3	Install single-lap fixed gauge roof tiles and related fittings, fixings and components given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install tiles and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows) abutments and general areas – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – 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 installing single-lap roof tiles to a fixed gauge.
	7.6	Describe how to maintain the tools and equipment used when installing single-lap roof tiles to a fixed gauge.

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Unit Number:	K/618/6419	
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 installing double-lap roof tiles to curved and swept roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, 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 working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing double-lap roof tiles to curved and swept roof details.	2.1	Describe their responsibilities under 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, 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 installing double-lap roof tiles to curved and swept roof details.	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 installing double-lap roof tiles to curved and swept roof details.

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2 Demonstrate compliance with given information and relevant legislation when installing double-lap roof tiles to curved and swept roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing double-lap roof tiles to curved and swept roof details, 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.	
4 Select the required quantity and quality of resources for the methods of work to install double-lap roof tiles to curved and swept roof details.	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"> – plain tiles, peg tiles, boards, split battens, soakers, timber, wedges, fillets, fittings and fixings – hand tools, power tools and ancillary equipment 	
	4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.	

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	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 install double-lap roof tiles to curved and swept roof details.
5 Minimise the risk of damage to the work and surrounding area when installing double-lap roof tiles to curved and swept roof details.	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 installing double-lap roof tiles to curved and swept roof details.	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 work schedules/diaries, 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 install double-lap roof tiles to curved and swept roof details to the required specification.	7.1	Demonstrate the following work skills when installing double-lap roof tiles to curved and swept roof details: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	Install plain and/or peg tiles (double-lap) to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for two of the following roof details: <ul style="list-style-type: none"> – eyebrow dormers – swept valleys – laced valleys – curved vertical – curved pitch (cones, apse ends).
	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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – cut and fit tiles, fittings and roofing components to the required size and shape – fix boards, wedges, fillets and split battens – determine lap and gauge dimensions – fix tiles to battens or direct to boarded areas – set out and install plain and/or peg tiles (double-lap) and components, including soakers to eyebrow dormers, swept and laced valleys, curved and radial areas – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing double-lap roof tiles to curved and swept roof details.
	7.6	Describe how to maintain the tools and equipment used when installing double-lap roof tiles to curved and swept roof details.

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace	
Unit Number:	D/618/6420	
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 installing single and double-lap roof tiles to mitred and vertical roof details.	1.1	Interpret and extract relevant information from oral/written instructions, drawings, specifications, 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, electronic data, drawings, 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 installing single and double-lap roof tiles to mitred and vertical roof details.	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, 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, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing single and double-lap roof tiles to mitred and vertical roof details.	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 installing single and double-lap roof tiles to mitred and vertical roof details.
	3.2	Demonstrate compliance with given information and relevant legislation when installing single and double-lap roof tiles to mitred and vertical roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – 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 installing single and double-lap roof tiles to mitred and vertical roof details 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.

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to install single and double-lap roof tiles to mitred and vertical roof details.	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"> – tiles, fixings, soakers, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, powered 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 install single and double-lap roof tiles to mitred and vertical roof details.
5 Minimise the risk of damage to the work and surrounding area when installing single and double-lap roof tiles to mitred and vertical roof details.	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.

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
6 Complete the work within the allocated time when installing single and double-lap roof tiles to mitred and vertical roof details.	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 work schedules/diaries, 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 install single and double-lap roof tiles to mitred and vertical roof details.	7.1 Demonstrate the following work skills when installing single and double-lap roof tiles to mitred and vertical roof details <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing 7.2 Use and maintain hand tools, power tools and ancillary equipment. 7.3 Install single and double-lap roof tiles and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials, for roofs with the following <ul style="list-style-type: none"> – general areas – mitred hips – mitred valleys – vertical surfaces (double-lap only) – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges and ridges 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"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install single and double-lap tiles and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments and general areas – form mitred hips and mitred valleys, including measuring, cutting and fitting soakers – set out and install double-lap tiles to vertical surfaces, including gable ends, openings and penetrations 	

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	<p>7.4 – install vents, ridge ventilation and other high level ventilation</p> <p>cont</p> <ul style="list-style-type: none"> – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms. 	
	<p>7.5 Describe the needs of other occupations and how to effectively communicate within a team when installing single and double-lap roof tiles to mitred and vertical roof details.</p>	
	<p>7.6 Describe how to maintain the tools and equipment used when installing single and double-lap roof tiles to mitred and vertical roof details.</p>	

Title:	Installing single and double-lap roof tiles to mitred and vertical roof details in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Roofing Occupations (Construction):</u></p> <p>One of the following endorsements required: New materials Reclaimed materials</p> <p>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	100



enquiries@proqualab.com

Tel: +44 (0)1430 423822

ProQual AB Limited, ProQual House, Unit 1, Innovation Drive, Newport, HU15 2GX
Company Registration Number: 07464445