



Level 2 NVQ Diploma in Roofing Occupations (Construction)

Qualification Specification

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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 Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for these qualifications has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland.

This qualification has been accredited onto the Regulated Qualifications Framework (RQF).

Qualification Profile

Qualification title	ProQual Level 2 NVQ Diploma in Roofing Occupations (Construction)
Ofqual qualification number	601/7792/5
Level	Level 2
Total qualification time	380 hours
Guided learning hours	128
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/10/15
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 achieve a minimum of 38 credits:

- 10 credits by completing all of the **Mandatory** units
- A minimum of 58 credits from one of the **pathways**
- Credit from the **Additional** units does not count towards the qualification

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
A/503/1170	Conforming to general health, safety and welfare in the workplace	1	2	7
J/503/1169	Conforming to productive working practices in the workplace	2	3	10
F/503/1171	Moving, handling and storing resources in the workplace	2	5	17

Pathway 1 – Roof Tiler
Pathway 2 – Roof Slater
Pathway 3 – Roof Slater and Tiler
Pathway 4 – Metal Roofer
Pathway 5 – Thatching
Pathway 6 – Solar Collector Roofer – Access
Pathway 7 – Solar Collector Roofer – Protection/Handover

Pathway 1 – Roof Tiler

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
D/600/8054	Installing Roofing Backgrounds and Components in the Workplace	2	10	33
J/600/8064	Installing Pre-formed Weathering Flashings to Roofs in the Workplace	2	10	33
H/600/8170	Installing Single-lap Roof Coverings to a Variable Gauge in the Workplace	2	14	47
H/600/8315	Installing Plain Tile Roof Coverings in the Workplace	2	18	60

Pathway 2 – Roof Slater

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
D/600/8054	Installing Roofing Backgrounds and Components in the Workplace	2	10	33
J/600/8064	Installing Pre-formed Weathering Flashings to Roofs in the Workplace	2	10	33
M/600/8317	Installing Regular Sized Natural Roof Slate to Standard Roof Details in the Workplace	2	26	87

Pathway 3 – Roof Slater and Tiler

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
D/600/8054	Installing Roofing Backgrounds and Components in the Workplace	2	10	33
J/600/8064	Installing Pre-formed Weathering Flashings to Roofs in the Workplace	2	10	33
H/600/8170	Installing Single-lap Roof Coverings to a Variable Gauge in the Workplace	2	14	47
H/600/8315	Installing Plain Tile Roof Coverings in the Workplace	2	18	60
M/600/8317	Installing Regular Sized Natural Roof Slate to Standard Roof Details in the Workplace	2	26	87

Pathway 4 – Metal Roofer

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
A/600/8479	Preparing Resources for Hard and Soft Metal Roofing and Weathering in the Workplace	2	14	47
M/600/8480	Installing Metal Roofing and Weathering to the Substrate in the Workplace	2	17	57
Optional Units – complete one unit				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
T/600/8481	Repairing and Maintaining Metal Roofing and Weathering in the Workplace	2	15	50
A/600/8482	Producing Decorative Metal Roofing and Weathering Details in the Workplace	3	21	70

Pathway 5 – Thatching

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
F/504/9623	Preparing Roof Structures for Thatching in the Workplace	2	18	60
F/504/9637	Preparing Thatching Materials in the Workplace	2	16	53
F/504/9640	Thatching Structures in the Workplace	2	38	127
D/600/8281	Erecting and Dismantling Access/Working Platforms in the Workplace	2	8	27

Pathway 6 – Solar Collector Roofer - Access

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
K/503/9538	Maintaining Slate and Tile Roofing in the Workplace	2	14	47
K/503/2959	Installing Solar Collectors to Roofs in the Workplace	2	6	20
Optional Units – complete one unit				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
D/600/8281	Erecting and Dismantling Access/Working Platforms in the Workplace	2	8	27
M/600/8303	Utilising Provision of Fall Protection Systems and/or Equipment in the Workplace	2	17	57

Pathway 7 – Solar Collector Roofer – Protection/Handover

Mandatory Units – complete all units				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
K/503/9538	Maintaining Slate and Tile Roofing in the Workplace	2	14	47
K/503/2959	Installing Solar Collectors to Roofs in the Workplace	2	6	20
Optional Units – complete one unit				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
T/503/9560	Establishing Work Area Protection and Safety in the Workplace	2	10	33
M/505/0217	Clearing the Site and Handing Over on Completion in the Workplace	2	12	40

Additional Units – credit will not account towards the qualification				
Unit Reference Number	Unit Title	Unit Level	Credit Value	GLH
L/600/8468	Installing Wood Shingle Roof Coverings in the Workplace	2	13	43
J/600/8470	Installing Double-lap Concrete Roof Slates in the Workplace	2	10	33
R/600/8472	Installing Double-lap Artificial Roof Slates – Diamond Pattern in the Workplace	2	11	37

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 11.

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 -

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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.

Learning Outcomes and Assessment Criteria

Unit A/503/1170

Conforming to General Health, Safety and Welfare in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
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.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 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. |
| | | 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 |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 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.
- 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:
 - 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:
 - during the working day
 - on completion of the day's work
 - for unauthorised personnel (other operatives and the general public)
 - for theft.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 5.2 State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Unit J/503/1169

Conforming to Productive Working Practices in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Communicate with others to establish productive work practices.	1.1 Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively. 1.2 Describe the different methods of communicating with line management, colleagues and customers. 1.3 Describe how to use different methods of communication to ensure that the work carried out is productive.
2 Follow organisational procedures to plan the sequence of work.	2.1 Interpret relevant information from organisational procedures in order to plan the sequence of work. 2.2 Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively. 2.3 Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: <ul style="list-style-type: none"> – using resources for own and other’s work requirements – allocating appropriate work to employees – organising the work sequence – reducing carbon emissions. 2.4 Describe how to contribute to zero/low carbon work outcomes within the built environment.
3 Maintain relevant records in accordance with the organisational procedures.	3.1 Complete relevant documentation according to the occupation as required by the organisation. 3.2 Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: <ul style="list-style-type: none"> – job cards – worksheets – material/resource lists – time sheets.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Maintain good working relationships when conforming to productive working practices. | 3.3 | Explain the reasons for ensuring documentation is completed clearly and within given timescales. |
| | | 4.1 | Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships. |
| | | 4.2 | Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others. |
| | | 4.3 | Describe how to maintain good working relationships, in relation to: <ul style="list-style-type: none">– individuals– customer and operative– operative and line management– own and other occupations. |
| | | 4.4 | Describe why it is important to work effectively with line management, colleagues and customers. |
| | | 4.5 | Describe how working relationships could have an effect on productive working. |
| | | 4.6 | Describe how to apply principles of equality and diversity when communicating and working with others. |

Unit F/503/1171

Moving, Handling and Storing Resources in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Comply with given information when moving, handling and/or storing resources.	<p>1.1 Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.</p> <p>1.2 Interpret the given information relating to the use and storage of lifting aids and equipment.</p> <p>1.3 Describe the different types of technical, product and regulatory information, their source and how they are interpreted.</p> <p>1.4 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.5 Describe how to obtain information relating to using and storing lifting aids and equipment.</p>
2 Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working:</p> <ul style="list-style-type: none">– in the workplace, in confined spaces, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making the reports.</p> <p>2.4 State the appropriate types of fire extinguishers relevant to the work.</p> <p>2.5 Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 3 | Maintain safe working practices when moving, handling and/or storing resources. | 3.1 | Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources. |
| | | 3.2 | Use lifting aids safely as appropriate to the work. |
| | | 3.3 | Protect the environment in accordance with safe working practices as appropriate to the work. |
| | | 3.4 | Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling and/or storing resources, and the 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). |
| | | 3.5 | Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions. |
| | | 3.6 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to move, handle and/or store occupational resources. | 4.1 | Select the relevant resources to be moved, handled and/or stored, associated with own work. |
| | | 4.2 | Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: <ul style="list-style-type: none">– lifting and handling aids– container(s)– fixing, holding and securing systems. |
| | | 4.3 | Describe how the resources should be handled and how any problems associated with the resources are reported. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		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.
5	Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.	5.1	Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Dispose of waste and packaging in accordance with legislation.
		5.3	Maintain a clean work space when moving, handling or storing resources.
		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 moving, handling and/or storing resources.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none">– progress charts, timetables and estimated times– organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given occupational resource information to move, handle and/or store resources to the required guidance.	7.1	Demonstrate the following work skills when moving, handling and/or storing occupational resources: <ul style="list-style-type: none">– moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques.
		7.2	Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following:

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- sheet material
- loose material
- bagged or wrapped material
- fragile material
- tools and equipment
- components
- liquids.

7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling and/or storing occupational resources.

7.4 Describe the needs of other occupations when moving, handling and/or storing resources.

Unit D/600/8054

Installing Roofing Backgrounds and Components in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing roofing backgrounds and components.	1.1 Interpret and extract information from contractor's working instructions. 1.2 Comply with information and/or instructions derived from risk assessments and method statement. 1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing roofing backgrounds and components.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative. 2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing roofing backgrounds and components.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing roofing backgrounds and components. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to installing roofing backgrounds and components,

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to install roofing backgrounds and components.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
- underlay, battens, counter-battens, undercloak, verge clips, eave ventilation systems, hip irons, valley liners, sand, cement and additives
 - hand tools and ancillary equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length and area associated with the method/procedure to install roofing backgrounds and components.
- 5 Minimise the risk of damage to the work and surrounding area when installing roofing backgrounds and components.
- 5.1 Protect the work and its surrounding area from damage.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	5.5	State why the disposal of waste should be carried out in relation to the work.
6	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State 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	7.1	Demonstrate the following work skills when installing roofing backgrounds and components: <ul style="list-style-type: none">– measuring, cutting, marking out, fitting, positioning and securing.
	7.2	Install roofing backgrounds and components to roofs with verges, hips, ridges, valleys and abutments to contractor's working instructions for: <ul style="list-style-type: none">– underlay, battens and counter-battens– sand and cement– undercloaks– eaves ventilation systems– fire-stops– ancillary components.
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none">– fix underlay, battens and counter-battens– fix undercloak and verge clips– mix sand and cement for roofwork– mix mortar with additives– install valley liners and hip irons– install eaves ventilation systems– form fire-breaks– use hand tools and ancillary equipment– work at height– use access equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.4 Safely use and store hand tools and ancillary equipment.
- 7.5 State the needs of other occupations and how to communicate within a team when installing roofing backgrounds and components.
- 7.6 Describe how to maintain the tools and equipment used when installing roofing backgrounds and components.

Unit J/600/8064

Installing Pre-formed Weathering Flashings to Roofs in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing pre-formed weathering flashings to roofs.	1.1 Interpret and extract information from contractor's working instructions.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing pre-formed weathering flashings to roofs.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative.
	2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing pre-formed weathering flashings to roofs.	3.1 Use personal protective equipment (PPE) (with emphasis on lead work) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing pre-formed weathering flashings to roofs.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | | 3.2 | Explain why and when personal protective equipment (PPE) should be used, relating to installing pre-formed weathering flashings to roofs, and the types, purpose and limitations of each type. |
| | | 3.3 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to install pre-formed weathering flashings to roofs. | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none">– pre-formed lead flashings, proprietary flashings– patination oils– pointing materials– hand tools and ancillary equipment. |
| | | 4.2 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | | 4.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 | Outline potential hazards associated with the resources and method of work. |
| | | 4.5 | Describe how to calculate quantity and length associated with the method/procedure to install pre-formed 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. |
| | | 5.2 | Minimise damage and maintain a clean work space. |
| | | 5.3 | Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	7.1	Demonstrate the following work skills when installing pre-formed weathering flashings to roofs: – fitting, positioning, securing, dressing, pointing and finishing.
	7.2	Install pre-formed lead and/or proprietary valleys and flashings to single- and double-lap roof coverings, to contractor's working instructions, for: – chimneys – abutments – soil and/or vent pipes – junction saddles – valleys – openings.
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – cut, fit and place lead soakers – install pre-formed step flashings – install valley liners and saddles – install pre-formed lead aprons, back gutters and pipe flashings – install flashings to openings – dress flashings – work with lead and other hazardous materials

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- install proprietary flashings and weatherings
- use hand tools and equipment
- work at height
- use access equipment.

- 7.4 Safely use and store hand tools and ancillary equipment.
- 7.5 State the needs of other occupations and how to 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.

Unit H/600/8170 Installing Single-lap Roof Coverings to a Variable Gauge in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
<p>1 Interpret the given information relating to the work and resources when installing single-lap roof coverings to a variable gauge.</p>	<p>1.1 Interpret and extract information from contractor's working instructions.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statement.</p> <p>1.3 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.</p>
<p>2 Know how to comply with relevant legislation and official guidance when installing single-lap roof coverings to a variable gauge.</p>	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, company and operative.</p> <p>2.3 State what the accident reporting procedures are and who is responsible for making reports.</p>
<p>3 Maintain safe working practices when installing single-lap roof coverings to a variable gauge.</p>	<p>3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing single-lap roof coverings to a variable gauge.</p> <p>3.2 Explain why and when personal protective equipment (PPE) should be used, relating to</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- installing single-lap roof coverings to a variable gauge, and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to install single-lap roof coverings to a variable gauge.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
- single-lap tiles, single-lap artificial slates, battens, fittings, fixings, ridge and hip tiles, dry fix systems, mortar, ventilation systems
 - sand, cement and additives
 - hand and/or powered tools and ancillary equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length and area associated with the method/procedure to install single-lap roof coverings to a variable gauge.
- 5 Minimise the risk of damage to the work and surrounding area when installing single-lap roof coverings to a variable gauge.
- 5.1 Protect the work and its surrounding area from damage.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.4 | Dispose of waste in accordance with legislation. |
| | 5.5 | State why the disposal of waste should be carried out in relation to the work. |
| 6 | 6.1 | Demonstrate completion of the work within the allocated time when installing single-lap roof coverings to a variable gauge. |
| | 6.2 | State 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 | 7.1 | Comply with the given contract information to install single-lap roof coverings to a variable gauge to the required specification. Demonstrate the following work skills when installing single-lap roof coverings to a variable gauge: <ul style="list-style-type: none">– measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing. |
| | 7.2 | Install battens, single-lap roof tiles and/or single-lap artificial slates and related fittings, fixings and components to contractor's working instructions, using new and/or reclaimed materials for roofs with: <ul style="list-style-type: none">– valleys– eaves– abutments– openings– sand and cement wet fix verges, ridges and hips and/or dry fix verges, ridges and hips. |
| | 7.3 | Describe how to apply safe 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 for re-roofing– set out battens, tiles, artificial single-lap slates and components |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- install tiles, artificial slates, components to eaves, verges, ridge, hips, valleys, openings, abutments and general areas
- mix sand and cement
- mix mortar with additives
- unobtrusively include reclaimed materials
- form dry and/or wet fix finishing details
- use hand tools, power tools and equipment
- work at height
- use access equipment.

7.4 Safely use and store hand tools, power tools and ancillary equipment.

7.5 State the needs of other occupations and how to communicate within a team when installing single-lap roof coverings to a variable gauge.

7.6 Describe how to maintain the tools and equipment used when installing single-lap roof coverings to a variable gauge.

Unit H/600/8315 Installing Plain Tile Roof Coverings in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing plain tile roof coverings.	1.1 Interpret and extract information from contractor's working instructions. 1.2 Comply with information and/or instructions derived from risk assessments and method statement. 1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing plain tile roof coverings.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative. 2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing plain tile roof coverings.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing plain tile roof coverings. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- installing plain tile roof coverings, and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to install plain tile roof coverings.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
- plain tiles, fittings, fixings, soakers, ridge and hip tiles, battens, dry fix systems, mortar and ventilation systems
 - sand, cement and additives
 - hand and/or powered tools and ancillary equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length and area 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.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.5 | State why the disposal of waste should be carried out in relation to the work. |
| 6 | 6.1 | Demonstrate completion of the work within the allocated time. |
| | 6.2 | State 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 | 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 | Install battens, plain roof tiles and related fittings, fixings and components to contractor's working instructions, using new and/or reclaimed materials for roofs with: <ul style="list-style-type: none">– valleys– eaves and tops course– abutments– openings– sand and cement wet fix verges, ridges and hips and/or dry fix verges, ridges and hips– vertical surfaces. |
| | 7.3 | Describe how to apply safe 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 for re-roofing– set out for battens, tiles and components– install tiles and components to eaves and tops course, verges, ridge, hips, valleys, openings and abutments, vertical and general areas– mix sand and cement– mix mortar with additives– unobtrusively include reclaimed materials |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- form dry and/or wet fix finishing details
- use hand tools, power tools and equipment
- work at height
- use access equipment.

7.4 Safely use and store hand tools, power tools and ancillary equipment.

7.5 State the needs of other occupations and how to 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.

Unit M/600/8317 Installing Regular Sized Natural Roof Slate to Standard Roof Details in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
<p>1 Interpret the given information relating to the work and resources when installing regular sized natural roof slate to standard roof details.</p>	<p>1.1 Interpret and extract information from contractor's working instructions.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statement.</p> <p>1.3 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.</p>
<p>2 Know how to comply with relevant legislation and official guidance when installing regular sized natural roof slate to standard roof details.</p>	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, company and operative.</p> <p>2.3 State what the accident reporting procedures are and who is responsible for making reports.</p>
<p>3 Maintain safe working practices when installing regular sized natural roof slate to standard roof details.</p>	<p>3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing regular sized natural roof slate to standard roof details.</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to install regular sized natural roof slate to standard roof details. | 3.2 | Explain why and when personal protective equipment (PPE) should be used, relating to installing regular sized natural roof slate to standard roof details, and the types, purpose and limitations of each type. |
| | | 3.3 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to install regular sized natural roof slate to standard roof details. | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none">– regular sized natural slates, fixings, soakers, ridge and hip tiles, battens, dry fix systems, mortar and ventilation systems– sand, cement and additives– hand and/or powered tools and ancillary equipment. |
| | | 4.2 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | | 4.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 | Outline potential hazards associated with the resources and method of work. |
| | | 4.5 | Describe how to calculate quantity, length and area associated with the method/procedure to install regular sized natural roof slate to standard roof details. |
| 5 | Minimise the risk of damage to the work and surrounding area when installing regular sized natural roof slate to standard roof details. | 5.1 | Protect the work and its surrounding area from damage. |
| | | 5.2 | Minimise damage and maintain a clean work space. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 6 | Complete the work within the allocated time when installing regular sized natural roof slate to standard roof details. | 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. |
| | | 5.4 Dispose of waste in accordance with legislation. |
| | | 5.5 State why the disposal of waste should be carried out in relation to the work. |
| 6 | Complete the work within the allocated time when installing regular sized natural roof slate to standard roof details. | 6.1 Demonstrate completion of the work within the allocated time. |
| | | 6.2 State 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 regular sized natural roof slate to standard roof details to the required specification. | 7.1 Demonstrate the following work skills when installing regular sized natural roof slate to standard roof details: <ul style="list-style-type: none">– measuring, setting out, marking out, grading, sizing, and holing, cutting, fitting, mixing, positioning, securing and finishing. |
| | | 7.2 Install battens, regular sized natural roof slates and related fittings, fixings and components to contractor’s working instructions, using new and/or reclaimed materials for roofs with: <ul style="list-style-type: none">– verges and ridges– ridged hips– open valleys– eaves and tops course– abutments– openings– dry and/or sand and cement wet finishing details. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- assess suitability of sub-structure for re-roofing
 - set out for battens, slates and components
 - determine lap details for imperial and metric slates
 - hole, grade and cut
 - install slates and components to eaves and tops course, verges, ridge, hips, valleys, openings and abutments, vertical and general areas
 - form ridged hips and open valleys
 - mix sand and cement
 - mix mortar with additives
 - unobtrusively include reclaimed materials
 - form dry and/or wet fix finishing details
 - use hand tools, power tools and equipment
 - work at height
 - use access equipment.
- 7.4 Safely use and store hand tools, power tools and ancillary equipment.
- 7.5 State the needs of other occupations and how to communicate within a team when installing regular sized natural roof slate to standard roof details.
- 7.6 Describe how to maintain the tools and equipment used when installing regular sized natural roof slate to standard roof details.

Unit A/600/8479

Preparing Resources for Hard and Soft Metal Roofing and Weathering in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when preparing resources for hard and soft metal roofing and weathering.	<p>1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statement.</p> <p>1.3 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.</p>
2 Know how to comply with relevant legislation and official guidance when preparing resources for hard and soft metal roofing and weathering.	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 State what the accident reporting procedures are and who is responsible for making reports.</p>
3 Maintain safe working practices when preparing resources for hard and soft metal roofing and weathering.	<p>3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when preparing resources for hard and soft metal roofing and weathering.</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to prepare resources for hard and soft metal roofing and weathering. | 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to preparing resources for hard and soft metal roofing and weathering, and the types, purpose and limitations of each type. |
| | | 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| | | 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
– hard metal, lead
– hand and/or powered tools and equipment. |
| | | 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | | 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 Outline potential hazards associated with the resources and method of work. |
| | | 4.5 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to prepare resources for hard and soft metal roofing and weathering. |
| 5 | Minimise the risk of damage to the work and surrounding area when preparing resources for hard and soft metal roofing and weathering. | 5.1 Protect the work and its surrounding area from damage. |
| | | 5.2 Minimise damage and maintain a clean work space. |
| | | 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	7.1	Demonstrate the following work skills when preparing resources for hard and soft metal roofing and weathering: – measuring, marking out, cutting and profiling.
	7.2	Prepare metal roofing and weathering to contractor's working instructions for: – hard metals OR – lead
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – prepare hard metal (cutting to length and profiling edges) – prepare lead (cutting to length and shape) – use hand tools, power tools and equipment – work at height – use access equipment.
	7.4	Safely use and store hand tools, portable power tools and ancillary equipment (as appropriate to the metal).

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.5 State the needs of other occupations and how to communicate within a team when preparing resources for hard and soft metal roofing and weathering.
- 7.6 Describe how to maintain the tools and equipment used when preparing resources for hard and soft metal roofing and weathering.

Unit M/600/8480

Installing Metal Roofing and Weathering to the Substrate in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
<p>1 Interpret the given information relating to the work and resources when installing metal roofing and weathering to the substrate.</p>	<p>1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statement.</p> <p>1.3 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.</p>
<p>2 Know how to comply with relevant legislation and official guidance when installing metal roofing and weathering to the substrate.</p>	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 State what the accident reporting procedures are and who is responsible for making reports.</p>
<p>3 Maintain safe working practices when installing metal roofing and weathering to the substrate.</p>	<p>3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing metal roofing and weathering to the substrate.</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to install metal roofing and weathering to the substrate. | 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to installing metal roofing and weathering to the substrate, and the types, purpose and limitations of each type. |
| | | 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| | | 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
– hard metal, lead, fixings, finishings, ancillary items
– hand and/or powered tools and equipment. |
| | | 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | | 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 Outline potential hazards associated with the resources and method of work. |
| | | 4.5 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install metal roofing and weathering to the substrate. |
| 5 | Minimise the risk of damage to the work and surrounding area when installing metal roofing and weathering to the substrate. | 5.1 Protect the work and its surrounding area from damage. |
| | | 5.2 Minimise damage and maintain a clean work space. |
| | | 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.4 | Dispose of waste in accordance with legislation. |
| | 5.5 | State why the disposal of waste should be carried out in relation to the work. |
| 6 | 6.1 | Demonstrate completion of the work within the allocated time when installing metal roofing and weathering to the substrate. |
| | 6.2 | State 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 | 7.1 | Comply with the given contract information to install metal roofing and weathering to the substrate to the required specification. Demonstrate the following work skills when installing metal roofing and weathering to the substrate: <ul style="list-style-type: none">– measuring, marking out, cutting, wetting or dressing, positioning, securing and jointing. |
| | 7.2 | Install metal roofing and weathering's to horizontal, vertical and inclined surfaces to contractor's working instructions for hard metal or lead, relating to four from the following: <ul style="list-style-type: none">– flat roofs– pitch roofs– vertical cladding– cornices– parapets– gutters. |
| | 7.3 | Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none">– prepare substrate or background to receive hard metal or lead– install or fabricate hard metal or lead to vertical, horizontal and inclined surfaces and abutments relating to: flat roofs, pitched roofs, vertical cladding, cornices, parapets, gutters |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- join and terminate hard metal or lead in width and length
- use hand tools, power tools and equipment
- work at height
- use access equipment.

7.4 Safely use and store hand tools, portable power tools and ancillary equipment (as appropriate to the metal).

7.5 State the needs of other occupations and how to communicate within a team when installing metal roofing and weathering to the substrate.

7.6 Describe how to maintain the tools and equipment used when installing metal roofing and weathering to the substrate.

Unit T/600/8481

Repairing and Maintaining Metal Roofing and Weathering in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when repairing and maintaining metal roofing and weathering.	1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when repairing and maintaining metal roofing and weathering.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when repairing and maintaining metal roofing and weathering.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when repairing and maintaining metal roofing and weathering.
	3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- repairing and maintaining metal roofing and weathering, and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to repair and maintain metal roofing and weathering.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
– hard metal, lead, fixings, finishings, ancillary items
– hand and/or powered tools and equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to repair and maintain metal roofing and weathering.
- 5 Minimise the risk of damage to the work and surrounding area when repairing and maintaining metal roofing and weathering.
- 5.1 Protect the work and its surrounding area from damage.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.
- 5.5 State why the disposal of waste should be carried out in relation to the work.

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

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| 6 | Complete the work within the allocated time when repairing and maintaining metal roofing and weathering. | 6.1 | Demonstrate completion of the work within the allocated time. |
| | | 6.2 | State 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 and the required specification to repair and maintain metal roofing and weathering. | 7.1 | Demonstrate the following work skills when repairing and maintaining metal roofing and weathering: <ul style="list-style-type: none">– measuring, marking out, removing, cutting, wetting or dressing, positioning, securing and jointing. |
| | | 7.2 | Repair and maintain metal roofing and weathering to contractor's working instructions by: <ul style="list-style-type: none">– removing and replacing defective coverings/components– installing hard metal or lead– cleaning roofing or weathering– removing blockages to ensure free drainage. |
| | | 7.3 | Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none">– remove, replace and repair hard metal or lead to horizontal, vertical and inclined surfaces– visually inspect surfaces– remove blockages for free drainage– use hand tools, power tools and equipment– work at height– use access equipment. |
| | | 7.4 | Safely use and store hand tools, portable power tools and ancillary equipment (as appropriate to the metal). |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.5 State the needs of other occupations and how to communicate within a team when repairing and maintaining metal roofing and weathering.
- 7.6 Describe how to maintain the tools and equipment used when repairing and maintaining metal roofing and weathering.

Unit A/600/8482

Producing Decorative Metal Roofing and Weathering Details in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when producing decorative metal roofing and weathering details.	1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when producing decorative metal roofing and weathering details.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when producing decorative metal roofing and weathering details.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when producing decorative metal roofing and weathering details.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to produce decorative metal roofing and weathering details. | 3.2 | Explain why and when personal protective equipment (PPE) should be used, relating to producing decorative metal roofing and weathering details, and the types, purpose and limitations of each type. |
| | | 3.3 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| | | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
– hard metal, lead, casting sand, pressings, moulds, fixings, fittings
– hand and/or powered tools and equipment. |
| | | 4.2 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. |
| | | 4.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 | Outline potential hazards associated with the resources and method of work. |
| | | 4.5 | Describe how to calculate quantity, length, area and wastage associated with the method/procedure to produce decorative metal roofing and weathering details. |
| 5 | Minimise the risk of damage to the work and surrounding area when producing decorative metal roofing and weathering details. | 5.1 | Protect the work and its surrounding area from damage. |
| | | 5.2 | Minimise damage and maintain a clean work space. |
| | | 5.3 | Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6	6.1	Demonstrate completion of the work within the allocated time.
6	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	7.1	Demonstrate the following work skills when producing decorative metal roofing and weathering details: – measuring, marking out, casting, pressing, embossing, fitting, finishing, positioning, securing and jointing.
	7.2	Produce decorative hard metal and/or lead to contractor's working instructions for ornamental features.
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – produce decorative hard metal and/or lead scrolls, rope effects, lettering and ornamental features by casting, embossing and pressing – use hand tools, power tools and equipment – work at height – use access equipment.
	7.4	Safely use and store hand tools, portable power tools and ancillary equipment (as appropriate to the metal).

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.5 State the needs of other occupations and how to communicate within a team when producing decorative metal roofing and weathering details.
- 7.6 Describe how to maintain the tools and equipment used when producing decorative metal roofing and weathering details.

Unit F/504/9623

Preparing Roof Structures for Thatching in the Workplace

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 1 | Interpret the given information relating to the work and resources when preparing roof structures for thatching | 1.1 | Interpret and extract relevant information from drawings, specifications, method statements, risk assessments, schedules 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:
– drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing buildings and associated with historical conservation and the preparation of roof structures for thatching. |
| 2 | Know how to comply with relevant legislation and official guidance when preparing roof structures for thatching. | 2.1 | Describe their responsibilities regarding potential accidents and health hazards, whilst working:
– in the workplace, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling. |
| | | 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. |
| | | 2.4 | Describe the types of fire extinguishers available when preparing roof structures for thatching and describe how and when they are used. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 3 | Maintain safe and healthy working practices when preparing roof structures for thatching. | 3.1 | Use health and safety control equipment and access equipment (if applicable) safely to carry out the activity in accordance with current legislation and organisational requirements when preparing roof structures for thatching. |
| | | 3.2 | Comply with information relating to specific risks to health when preparing roof structures for thatching. |
| | | 3.3 | Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to preparing roof structures for thatching, 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 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 hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to prepare roof structures for thatching | 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">– timber, fixings– cleaning agents and timber treatments |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- hand and/or portable 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 prepare roof structures for thatching.
- 5 Minimise the risk of damage to the work and surrounding area when preparing roof structures for thatching.

 - 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

 - 6.1 Demonstrate completion of the work within the allocated time.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

preparing roof structures for thatching.	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none">– types of progress charts, timetables and estimated times– organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to prepare roof structures for thatching to the required specification.	7.1	Demonstrate the following work skills when preparing roof structures for thatching: <ul style="list-style-type: none">– measuring, marking out, removing and repairing.
	7.2	Prepare for thatching to given working instructions by: <ul style="list-style-type: none">– removing existing thatch (full and/or partial)– reinforcing and making good roof structure– cleaning and treating roof structure.
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when preparing roof structures for thatching.
	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">– remove existing thatch (full or partial)– assess the integrity of roof structures– identify areas that require preparation, cleaning, treatment, repair, replacement and reinforcement– salvage and store components and materials that can be reused– protect replacement and salvaged materials– reinforce and make good roof structure– prepare, handle and apply cleaning and treatment substances and solutions– confirm the prepared structure will support the proposed thatch materials thicknesses and depths to provide optimum long term performance

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- work on buildings of historical significance
 - apply fire prevention measures
 - use hand tools, portable power tools and equipment
 - work at height
 - use access equipment.
- 7.7 Describe the needs of other occupations and how to effectively communicate within a team when preparing roof structures for thatching.
- 7.8 Describe how to maintain the tools and equipment used when preparing roof structures for thatching.

Unit F/504/9637

Preparing Thatching Materials in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when preparing thatching materials.	<p>1.1 Interpret and extract relevant information from drawings, specifications, method statements, risk assessments, schedules and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing buildings and associated with historical conservation and the preparation of thatching materials.</p>
2 Know how to comply with relevant legislation and official guidance when preparing thatching materials.	<p>2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p> <p>2.4 Describe the types of fire extinguishers available when preparing thatching materials and describe how and when they are used.</p>
3 Maintain safe and healthy working practices when	3.1 Use health and safety control equipment and access equipment (if applicable) safely to carry out the activity in accordance with current legislation and

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

preparing thatching materials.	organisational requirements when preparing thatching materials.
	3.2 Comply with information relating to specific risks to health when preparing thatching materials.
	3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to preparing thatching materials, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none">– collective protective measures– personal protective equipment (PPE)– respiratory protective equipment (RPE)– local exhaust ventilation (LEV).
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given 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 hazards.
4 Select the required quantity and quality of resources for the methods of work to prepare thatching materials.	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">– cereal straw, water reed, sedge grass, heather, marram, bent, bracken, rush, flax and turf (other suitable material)– coppice materials (spars, sways, liggers)– hand and/or portable powered tools and equipment.
	4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.	
	4.5	Describe any potential hazards associated with the resources and methods of work.	
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to prepare thatching materials.	
5	Minimise the risk of damage to the work and surrounding area when preparing thatching materials.	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 preparing thatching materials.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: – 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	7.1	Demonstrate the following work skills when preparing thatching materials:

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

prepare thatching materials to the required specification.

– measuring, bedding, damping, shaking, butting, bundling, bunching, pulling, yealming, tying, splitting and twisting.

- 7.2 Prepare two of the following thatching materials to given working instructions:
- cereal straw
 - water reed
 - sedge grass
 - heather
 - marram
 - bent
 - bracken
 - rush
 - flax
 - turf
 - alternative specialist materials
 - spars, sways and liggers.
- 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
- 7.4 Safely store the materials, tools and equipment used when preparing thatching materials.
- 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- recognise thatch materials
 - prepare for use: cereal straw (long straw, combed wheat reed), water reed, sedge grass, heather, marram, bent, bracken, rush, flax, turf or alternative specialist materials
 - produce yealms, bunches, bundles, nitches and wads
 - make spars, sways and liggers
 - make dollies or ridge rolls and straw bonds
 - gather/harvest thatching material
 - work on buildings of historical significance
 - use hand tools, portable power tools and equipment
 - work at height
 - use access equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.6 Describe the needs of other occupations and how to effectively communicate within a team when preparing thatching materials.
- 7.7 Describe how to maintain the tools and equipment used when preparing thatching materials.

Unit F/504/9640

Thatching Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
<p>1 Interpret the given information relating to the work and resources when thatching structures.</p>	<p>1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, and current regulations governing buildings and associated with historical conservation for thatching structures.</p>
<p>2 Know how to comply with relevant legislation and official guidance when thatching structures.</p>	<p>2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p> <p>2.4 Describe the types of fire extinguishers available when thatching structures and describe how and when they are used.</p>
<p>3 Maintain safe and healthy working practices</p>	<p>3.1 Use health and safety control equipment and access equipment (if applicable) safely to carry out the activity in accordance with current legislation and</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

when thatching structures.

organisational requirements when thatching structures.

3.2 Comply with information relating to specific risks to health when thatching structures.

3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to thatching structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:

- 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 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 hazards.

4 Select the required quantity and quality of resources for the methods of work to thatch structures.

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:

- thatch materials: cereal straw (long straw variants, combed wheat reed), water reed
- specialist materials: sedge grass, heather, marram, bent, bracken, rush, flax and turf or other suitable material
- coppice materials (spars, sways and liggers)
- netting
- lead
- mortar
- fixings and ancillary items
- hand and/or portable powered tools and equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 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 thatch structures. |
| 5 | Minimise the risk of damage to the work and surrounding area when thatching structures. |
| 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 thatching structures. |
| 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:
– types of progress charts, timetables and estimated times
– organisational procedures for reporting circumstances which will affect the work programme. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 7 | Comply with the given contract information to thatch structures to the required specification. | 7.1 | Demonstrate the following work skills when thatching structures: <ul style="list-style-type: none">– measuring, marking out, fitting, positioning, securing and finishing. |
| | | 7.2 | Thatch structures to form main coatwork, eaves, gables and ridge work, to given working instructions, to provide a surface to prevent the penetration of water, using one of the following: <ul style="list-style-type: none">– long straw variants (cereal straw)– combed wheat reed (cereal straw)– water reed– specialist materials: sedge grass, heather, marram, bent, bracken, rush, flax, turf or others. |
| | | 7.3 | Prepare spars, sways and liggers to given working instructions. |
| | | 7.4 | Safely use materials, hand tools, portable power tools and ancillary equipment. |
| | | 7.5 | Safely store the materials, tools and equipment used when thatching structures. |
| | | 7.6 | 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">– thatch structures with long straw variants (cereal straw)– thatch structures with combed wheat reed (cereal straw)– thatch structures with water reed– thatch structures with specialist materials: sedge grass, heather, marram, bent, bracken, rush, flax and turf or other suitable material– prepare spars, sways and liggers– use thatching materials to form main coatwork, eaves, gables and ridge work– form joints with other materials and abutments– ensure thickness and depth of thatch materials will provide optimum long term performance |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.7 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- position fixings to secure and maintain the integrity of the thatch (depth and spacing)
 - apply fire prevention measures
 - work on buildings of historical significance
 - use hand tools, portable power tools and equipment
 - work at height
 - use access equipment.
- 7.8 Describe the needs of other occupations and how to effectively communicate within a team when thatching structures.
- 7.9 Describe how to maintain the tools and equipment used when thatching structures.

Unit D/600/8281

Erecting and Dismantling Access/Working Platforms in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when erecting and dismantling access/working platforms.	1.1 Interpret and extract information from 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 State 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: – specifications, current legislation, method statements, risk assessments and manufacturers' information.
2 Know how to comply with relevant legislation and official guidance when erecting and dismantling access/working platforms.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, in confined areas, with tools and equipment, with movement/storage of materials and by manual handling.
	2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when erecting and dismantling access/working platforms.	3.1 Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when erecting and dismantling access/working platforms.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to erect and dismantle access/working platforms. | 3.2 | Explain why, when and how personal protective equipment (PPE) should be used, relating to erecting and dismantling access/working platforms, and the types, purpose and limitations of each type. |
| | | 3.3 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to erect and dismantle access/working platforms. | 4.1 | Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none">– ladders/crawler boards– stepladders/platform steps– trestles– proprietary staging/podiums– proprietary towers– mobile scaffold towers– protection equipment and notices– tools and ancillary equipment. |
| | | 4.2 | Select resources associated with own work in relation to materials, components, tools and equipment. |
| | | 4.3 | State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used. |
| | | 4.4 | Outline potential hazards associated with the resources and method of work. |
| | | 4.5 | Describe how to calculate quantity of equipment required associated with the method/procedure to erect and dismantle access equipment/working platforms. |
| 5 | Minimise the risk of damage to the work and surrounding area | 5.1 | Protect the work and its surrounding area from damage. |

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

when erecting and dismantling access/working platforms.	5.2	Minimise damage and maintain a clean work space.
	5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6 Complete the work within the allocated time when erecting and dismantling access/working platforms.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to erect and dismantle access/ working platforms to the required specification.	7.1	Demonstrate the following work skills when erecting and dismantling access/working platforms: – moving, positioning/erecting, securing, checking, dismantling and removing.
	7.2	Erect, dismantle and store two of the following access equipment to given access regulations: – ladders/crawler boards – stepladders/platform steps – proprietary towers – trestle platforms – mobile scaffold towers – proprietary staging/podiums.
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – provide protection to the work area – establish a base for equipment

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- erect proprietary access equipment to manufacturer’s instructions suitable for the work
- erect non-proprietary access equipment suitable for the work
- place protective screens and notices
- check/monitor equipment during the period of use
- dismantle and store access equipment
- use tools and equipment
- work at height.

- 7.4 Safely use and store materials, hand tools and ancillary equipment.
- 7.5 State the needs of other occupations and how to communicate within a team when erecting and dismantling access/working platforms.
- 7.6 Describe how to maintain the tools and equipment used when erecting and dismantling access/working platforms.

Unit K/503/9538

Maintaining Slate and Tile Roofing in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when maintaining slate and tile roofing.	<p>1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to:</p> <ul style="list-style-type: none">– drawings, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when maintaining slate and tile roofing.	<p>2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working:</p> <ul style="list-style-type: none">– in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>
3 Maintain safe and healthy working practices when maintaining slate and tile roofing.	<p>3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when maintaining slate and tile roofing.</p> <p>3.2 Comply with information relating to specific risks to health when maintaining slate and tile roofing.</p> <p>3.3 Explain why and when health and safety control equipment, identified by the principles of protection,</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- should be used, relating to maintaining slate and tile roofing, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:
- 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 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 hazards.
- 4 Select the required quantity and quality of resources for the methods of work to maintain slate and tile roofing.
- 4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
- 4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:
- slates, tiles, battens, underlays, sand, cement, limes, vents, lead, additives, guttering, downpipes and fixings
- hand and/or 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 maintain slate and tile roofing.

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

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| 5 | Minimise the risk of damage to the work and surrounding area when maintaining slate and tile roofing. | 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 maintaining slate and tile roofing. | 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 maintain slate and tile roofing to the required specification. | 7.1 | Demonstrate the following work skills when maintaining slate and tile roofing: <ul style="list-style-type: none">– measuring, marking out, removing, fitting, positioning and securing. |
| | | 7.2 | Repair specified roof areas to given working instructions for four of the following: <ul style="list-style-type: none">– slate roofs (local material and style)– tiled roofs (local material and style)– flashings– roof ventilation– rainwater goods. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
- 7.4 Safely store the materials, tools and equipment used when maintaining slate and tile roofing.
- 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- remove existing battens, underlays, slates and tiles
 - replace new battens and underlays
 - remove, replace and treat lead work/flashings (patianation oil)
 - re-point
 - position and secure roof ventilation
 - remove and replace guttering and downpipes
 - mix mortar
 - work with plant and machinery
 - use hand tools, power tools and equipment
 - work at height
- use access equipment.
- 7.6 Describe the needs of other occupations and how to effectively communicate within a team when maintaining slate and tile roofing.
- 7.7 Describe how to maintain the tools and equipment used when maintaining slate and tile roofing.

Unit K/503/2959

Installing Solar Collectors to Roofs in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing solar collectors to roofs.	<p>1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to:</p> <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing solar collectors to roofs.	<p>2.1 Describe their responsibilities under current legislation and official guidance whilst working:</p> <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. <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>
3 Maintain safe working practices when installing solar collectors to roofs.	<p>3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when installing solar collectors to roofs.</p> <p>3.2 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing solar collectors to roofs, and the types, purpose and limitations of</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		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).
	3.3	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
	3.4	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install solar collectors 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">– solar collector installation kits– hand and/or 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 method of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install solar collectors to roofs.
5	Minimise the risk of damage to the work and surrounding area when	
	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.

Learning Outcome - The learner will:**Assessment Criterion - The learner can:**

installing solar collectors to roofs.	5.2	Minimise damage and maintain a clean work space.	
	5.3	Dispose of waste in accordance with 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 solar collectors to roofs.	6.1
		6.2	State 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 installing solar collectors to roofs to the required specification.	7.1	Demonstrate the following work skills when installing solar collectors to roofs: <ul style="list-style-type: none">– removing, measuring, marking out, cutting, fitting, fixing, positioning, securing and replacing.
		7.2	Prepare for and install solar collectors to roof to given working instructions for one of the following: <ul style="list-style-type: none">– integrated photo voltaic– mounted photo voltaic– integrated solar thermal– mounted solar thermal.
		7.3	Reinstate roof coverings to given working instructions.
		7.4	Safely use and handle materials.
		7.5	Safely use hand tools, portable power tools and ancillary equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.6 Safely store the materials, tools and equipment used when installing solar collectors to roofs.
- 7.7 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- assess the installation area
 - check the direction the roof is facing
 - remove or leave out waterproofing elements
 - mark out for installation using given templates or dimensions
 - prepare and weatherproof penetrations
 - fix additional supports
 - secure fixtures, fittings and collector.
- 7.8 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- reinstate roof covering including flashings
 - install solar panels during construction and as retrofit to existing buildings
 - use hand tools, power tools and equipment
 - work at height
 - use access equipment.
- 7.9 Describe the needs of other occupations and how to effectively communicate within a team when installing solar collectors to roofs.
- 7.10 Describe how to maintain the tools and equipment used when installing solar collectors to roofs.

Unit M/600/8303

Utilising Provision of Fall Protection Systems and/or Equipment in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when utilising provision of fall protection systems and/or equipment.	1.1 Interpret and extract information from plans, drawings, specifications, method statements, risk assessments, schedules and manufacturers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – drawings, specifications, method statements, risk assessments, schedules, manufacturers' information, regulations and official guidance associated with the provision of fall protection systems.
2 Know how to comply with relevant legislation and official guidance when utilising provision of fall protection systems and/or equipment.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – 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 State what the accident reporting procedures are and who is responsible for making reports.
3 Avoid risk by maintaining safe working practices when	3.1 Use personal protective equipment (PPE) and access equipment safely to carry out the activity

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

utilising provision of fall protection systems and/or equipment.	in accordance with legislation and organisational requirements when utilising provision of fall protection systems and/or equipment.
	3.2 Explain why, when and how personal protective equipment (PPE) should be used, relating to utilising provision of fall protection systems and/or equipment, and the types, purpose and limitations of each type.
	3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4 Select the required quantity and quality of resources for the methods of work to utilise provision of fall protection systems and/or equipment.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none">– collective protective equipment– full body harness– lanyard with and without shock absorber– associated hooks, rings and buckles– tools and equipment.
	4.2 Select resources associated with own work in relation to materials and components, tools and equipment.
	4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
	4.4 Outline potential hazards associated with the resources and method of work.
	4.5 Describe how to calculate quantity associated with the method/procedure to utilise provision of fall protection systems.
5 Minimise the risk of damage to the work and surrounding area when utilising provision of fall protection systems and/or equipment.	5.1 Protect the work and its surrounding area from damage.
	5.2 Minimise damage and maintain a clean work space.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

	5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.4	Dispose of waste in accordance with legislation.
	5.5	State 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 utilising provision of fall protection systems and/or equipment.	6.1 Demonstrate completion of the work within the allocated time.
		6.2 State 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 utilise provision of fall protection systems to the required specification and/or equipment.	7.1 Demonstrate the following work skills when utilising provision of fall protection systems and/or equipment: <ul style="list-style-type: none">– wearing, attaching, setting out, positioning, securing, checking and removing.
		7.2 Employ and utilise fall protection systems and/or equipment to given working instructions, using recognised anchor points for two of the following: <ul style="list-style-type: none">– scaffold/rigging– secured steelwork structures– wire and rope systems– permanently installed anchorage points– temporary anchorage points– track systems– proprietary systems.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- locate and position fall protection systems
 - wear safety harnesses, attach and secure to fall protection system's equipment
 - identify the differences between, fall arrest, restraint and access systems and harnesses
 - identify the differences between shock absorbent and restraining lanyards
 - visually inspect the fall protection system and equipment for security, safety and operational movement
 - identify the thorough examination and test criteria for fall protection equipment (inertia reels, eyebolts and anchor points)
 - apply hierarchy of control measures for working at height
 - detach and remove fall protection attire and equipment
 - comply with a rescue plan
 - use hand tools
 - use access equipment.
- 7.4 Safely use and store materials, hand tools, and fall protection systems and equipment.
- 7.5 State the needs of other occupations and how to communicate within a team when utilising provision for fall protection systems.
- 7.6 Describe how to maintain the tools, systems and equipment used when utilising provision of fall protection systems and/or equipment.

Unit T/503/9560

Establishing Work Area Protection and Safety in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when establishing work area protection and safety.	<p>1.1 Interpret and extract relevant information from drawings, plans, risk assessments, method statements, specifications, schedules, site inspections and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to:</p> <ul style="list-style-type: none">– drawings, plans, risk assessments, method statements, specifications, schedules, site inspection reports, manufacturers' information, regulations and official guidance associated with protecting work areas.
2 Know how to comply with relevant legislation and official guidance when establishing work area protection and safety.	<p>2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working:</p> <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. <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>
3 Maintain safe and healthy working practices when establishing work area protection and safety.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when establishing work area protection and safety.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 3.2 | Comply with information relating to specific risks to health when establishing work area protection and safety. |
| 3.3 | Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to establishing work area protection and safety, 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 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 hazards. |
| 4 | Select the required quantity and quality of resources for the methods of work to establish work area protection and safety. |
| 4.1 | Select resources associated with own work in relation to materials, components and fixings, and 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">– safety and security barriers– protection and safety notices– temporary structures– signs and lighting– hand and/or powered tools and equipment. |
| 4.3 | Describe how the resources should be used correctly and how problems associated with the resources are reported. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		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 and area associated with the method/procedure to establish work area protection and safety.
5	Minimise the risk of damage to the work and surrounding area when establishing work area protection and safety.	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 establishing work area protection and safety.	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	7.1	Demonstrate the following work skills when establishing work area protection and safety:

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

establish work area protection and safety to the required specification.

- measuring, setting out, positioning, assembling, constructing, securing and dismantling.
- 7.2 Install, maintain and remove temporary protection and safety arrangements for the work area, to given working instructions, relating to barriers/temporary structures and one of the following:
 - protection and safety notices
 - safety lighting.
- 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
- 7.4 Safely store the materials, tools and equipment used when establishing work area protection and safety.
- 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
 - plan for the protection and the safety of the work and surrounding environment
 - install, check and maintain the protection and safety equipment
 - dismantle and remove protection and safety equipment
 - install safety notices
 - install lighting systems
 - use hand tools, power tools and equipment
 - work at height
 - use access equipment.
- 7.6 Describe the needs of other occupations and how to effectively communicate within a team when establishing work area protection and safety.
- 7.7 Describe how to maintain the tools and equipment used when establishing work area protection and safety.

Unit M/505/0217

Clearing the Site and Handing Over on Completion in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
<p>1 Interpret the given information relating to the work and resources when clearing the site and handing over on completion.</p>	<p>1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.</p> <p>1.2 Comply with information and/or instructions derived from risk assessments and method statements.</p> <p>1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.</p> <p>1.4 Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.</p>
<p>2 Know how to comply with relevant legislation and official guidance when clearing the site and handing over on completion.</p>	<p>2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</p> <p>2.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.</p> <p>2.3 Explain what the accident reporting procedures are and who is responsible for making reports.</p>
<p>3 Maintain safe and healthy working practices when clearing the site and handing over on completion.</p>	<p>3.1 Use health and safety control equipment and access equipment (if applicable) safely to carry out the activity in accordance with current legislation and organisational requirements when clearing the site and handing over on completion.</p>

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 4 | Select the required quantity and quality of resources for the methods of work to clear the site and hand over on completion. | 3.2 | Comply with information relating to specific risks to health when clearing the site and handing over on completion. |
| | | 3.3 | Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to clearing the site and handing over on completion, 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 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 hazards. |
| | | 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">– fittings and fixings– hand and/or portable 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. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		4.5	Describe any potential hazards associated with the resources and methods of work.
5	Minimise the risk of damage to the work and surrounding area when clearing the site and handing over on completion.	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 clearing the site and handing over on completion.	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: – 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 clear the site and hand over on completion to the required specification.	7.1	Demonstrate the following work skills when clearing the site and handing over on completion: – finishing, positioning, dismantling, clearing, cleaning, tidying and securing.
		7.2	Complete the task and hand the site over, in accordance to given working instructions, ensuring the following: – excess materials are removed – the quality of the finished task matches the given specification

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- the client, customer or their representative is provided with relevant information and advice
- the clients, customer or their representative accepts the condition of the completed task and site
- records, reports and documentation are completed and registered.

7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.

7.4 Safely store the materials, tools and equipment used when clearing the site and handing over on completion.

7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:

- identify required finish quality
- remove and dispose of hazardous waste and non-hazardous waste
- identify information that will be required by the client, customer or their representative
- remove excess materials
- clean and clear the task and surrounding area
- secure site or work area
- recognise and determine when specific skills and knowledge are required and report accordingly

7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:

- make recommendations for specialist intervention
- work on buildings of historical significance
- complete records, reports and documentation, work sheets, guarantees, warranties, customer service information
- register documentation
- use hand tools, portable power tools and equipment
- work at height
- use access equipment.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.7 Describe the needs of other occupations and how to effectively communicate within a team when clearing the site and handing over on completion.
- 7.8 Describe how to maintain the tools and equipment used when clearing the site and handing over on completion.

Unit L/600/8468

Installing Wood Shingle Roof Coverings in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing wood shingle roof coverings.	1.1 Interpret and extract information from contractor's working instructions. 1.2 Comply with information and/or instructions derived from risk assessments and method statement. 1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing wood shingle roof coverings.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative. 2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing wood shingle roof coverings.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing wood shingle roof coverings. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- installing wood shingle roof coverings, and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to install wood shingle roof coverings.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
- wood shingles, pre-formed hip and ridge units, vents, battens, fixings and ancillary items
 - hand tools and ancillary equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length and area associated with the method/procedure to install wood shingle roof coverings.
- 5 Minimise the risk of damage to the work and surrounding area when installing wood shingle roof coverings.
- 5.1 Protect the work and its surrounding area from damage.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.
- 5.5 State why the disposal of waste should be carried out in relation to the work.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| 6 | Complete the work within the allocated time when installing wood shingle roof coverings. | 6.1 | Demonstrate completion of the work within the allocated time. |
| | | 6.2 | State 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 wood shingle roof coverings to the required specification. | 7.1 | Demonstrate the following work skills when installing wood shingle roof coverings: <ul style="list-style-type: none">– measuring, setting out, marking out, cutting, fitting, positioning, securing and finishing. |
| | | 7.2 | Install battens, wood shingles and related fittings, fixings and components to contractor's working instructions, using new materials for roofs with <ul style="list-style-type: none">– verges– ridges– hips– valleys– eaves– abutments– openings– vertical surfaces. |
| | | 7.3 | Describe how to apply safe 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 for re-roofing– set out battens– install wood shingles to eaves, verges, ridge, hips, valleys, openings and/or abutments, vertical and general areas– install pre-formed ridge/hip units– use hand tools and equipment– work at height– use access equipment. |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- 7.4 Safely use and store hand tools and ancillary equipment.
- 7.5 State the needs of other occupations and how to communicate within a team when installing wood shingle roof coverings.
- 7.6 Describe how to maintain the tools and equipment used when installing wood shingle roof coverings.

Unit J/600/8470

Installing Double-lap Concrete Roof Slates in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing double-lap concrete roof slates.	1.1 Interpret and extract information from contractor's working instructions.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing double-lap concrete roof slates.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative.
	2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing double-lap concrete roof slates.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing double-lap concrete roof slates.
	3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- installing double-lap concrete roof slates, and the types, purpose and limitations of each type.
- 3.3 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
- 4 Select the required quantity and quality of resources for the methods of work to install double-lap concrete roof slates.
- 4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:
- concrete slates, fittings, fixings, soakers, ridge and hip tiles, battens, dry fix systems, mortar and ventilation systems
 - sand, cement and additives
 - hand and/or powered tools and ancillary equipment.
- 4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
- 4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
- 4.4 Outline potential hazards associated with the resources and method of work.
- 4.5 Describe how to calculate quantity, length and area associated with the method/procedure to install double-lap concrete roof slates.
- 5 Minimise the risk of damage to the work and surrounding area when installing double-lap concrete roof slates.
- 5.1 Protect the work and its surrounding area from damage.
- 5.2 Minimise damage and maintain a clean work space.
- 5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

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| | 5.5 | State why the disposal of waste should be carried out in relation to the work. |
| 6 | 6.1 | Demonstrate completion of the work within the allocated time. |
| | 6.2 | State the purpose of the work programme and explain why deadlines should be kept in relation to:
– types of work schedules/diaries, progress charts, timetables and estimated times
– organisational procedures for reporting circumstances which will affect the work programme. |
| 7 | 7.1 | Demonstrate the following work skills when installing double-lap concrete roof slates:
– measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing. |
| | 7.2 | Install battens, double-lap concrete roof slates and related fittings, fixings and components to contractor's working instructions, using new materials for roofs with:
– verges and ridges
– hips
– valleys
– eaves and tops course
– abutments
– openings
– dry and/or sand and cement wet finishing details. |
| | 7.3 | Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
– assess suitability of sub-structure for re-roofing
– set out battens for regular and/or diminishing courses for slates and components
– install slates and components to eaves and tops course, verges, ridge, hips, valleys, openings and/or abutments, vertical and general areas
– form dry and/or wet fix finishing details
– mix sand and cement |

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- mix mortar with additives
- use hand tools, power tools and equipment
- work at height
- use access equipment.

7.4 Safely use and store hand tools, power tools and ancillary equipment.

7.5 State the needs of other occupations and how to communicate within a team when installing double-lap concrete roof slates.

7.6 Describe how to maintain the tools and equipment used when installing double-lap concrete roof slates.

Unit R/600/8472

Installing Double-lap Artificial Roof Slates - Diamond Pattern - in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing double-lap artificial roof slates (diamond pattern).	1.1 Interpret and extract information from contractor's working instructions.
	1.2 Comply with information and/or instructions derived from risk assessments and method statement.
	1.3 State 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: – contractor's working instructions, manufacturers' information, regulations governing buildings, procedures for dealing with damaged and incorrect materials and/or resources.
2 Know how to comply with relevant legislation and official guidance when installing double-lap artificial roof slates (diamond pattern).	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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, company and operative.
	2.3 State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when installing double-lap artificial roof slates (diamond pattern).	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when installing double-lap artificial roof slates (diamond pattern).
	3.2 Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

		installing double-lap artificial roof slates (diamond pattern), and the types, purpose and limitations of each type.
	3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: – double-lap artificial slates, battens, fittings, fixings, soakers, ridge and hip tiles, dry fix systems, mortar, ventilation systems, bonding agents – sand, cement and additives – hand and/or powered tools and ancillary equipment.
	4.2	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
	4.4	Outline potential hazards associated with the resources and method of work.
	4.5	Describe how to calculate quantity, length and area associated with the method/procedure to install double-lap artificial roof slates (diamond pattern).
5	5.1	Protect the work and its surrounding area from damage.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Describe how to protect work from damage and the purpose of protection in relation to general

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- workplace activities, other occupations and adverse weather conditions.
- 5.4 Dispose of waste in accordance with legislation.
- 5.5 State why the disposal of waste should be carried out in relation to the work.
- 6 Complete the work within the allocated time when installing double-lap artificial roof slates (diamond pattern).
- 6.1 Demonstrate completion of the work within the allocated time.
- 6.2 State the purpose of the work programme and explain why deadlines should be kept in relation to:
- 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 (diamond pattern) to the required specification.
- 7.1 Demonstrate the following work skills when installing double-lap artificial roof slates (diamond pattern):
- measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
- 7.2 Install battens, double-lap artificial roof slates (diamond pattern) and related fittings, fixings and components to contractor's working instructions, using new materials for roofs with
- verges and ridges
 - hips
 - valleys
 - eaves and tops course
 - abutments
 - openings
 - dry and/or sand and cement wet finishing details
 - vertical surfaces.
- 7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
- assess suitability of sub-structure for re-roofing

Learning Outcome - The learner will:

Assessment Criterion - The learner can:

- set out battens, slates and components
- install slates and components to eaves and tops course, verges, ridge, hips, valleys, openings and abutments, vertical and general areas
- apply bonding agents
- form dry and/or wet fix finishing details
- mix sand and cement
- mix mortar with additives
- use hand tools, power tools and equipment
- work at height
- use access equipment.

7.4 Safely use and store hand tools, power tools and ancillary equipment.

7.5 State the needs of other occupations and how to communicate within a team when installing double-lap artificial roof slates (diamond pattern).

7.6 Describe how to maintain the tools and equipment used when installing double-lap artificial roof slates (diamond pattern).



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