



**Level 2 NVQ Diploma in Insulation and Building
Treatments (Construction)**

Qualification Specification

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Introduction

The ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction) qualification provides a nationally recognised qualification for those working in this specialised area of construction.

The awarding body for this qualification is ProQual Awarding Body (www.proqualab.com) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual); it is also endorsed by the sector body for construction - CITB.

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

Qualification Profile

Level 2 NVQ Diploma in Insulation and Building Treatments (Construction)

Qualification title	ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction)
Ofqual qualification number	603/3726/6
Level	2
Total Qualification Time	460 hours (154 GLH)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	24/10/2018
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

To achieve the qualification candidates must complete one of the pathways, candidates may also complete any of the Additional Units. **Unit Endorsements** are indicated in the Pathway unit listings below, details of endorsements are also included after the learning outcomes/assessment criteria at the end of each relevant unit

Pathway 1 – Wood Preserving and Damp-proofing

Pathway 2 – Wall Tie Replacement

Pathway 3 – External Wall Insulation – Boarder/Finisher

Pathway 4 – Cold/Warm Roof Insulation

CITB references are provided in this document for information only.

Pathway 1 – Wood Preserving and Damp-proofing

Candidates must complete all of the Mandatory units in this pathway.

Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
D/617/2789	Preparing structures for treatment in the workplace <u>Unit Endorsements</u> <i>One of the following endorsements required:</i> <i>Wood preservation</i> <i>Damp-proofing</i> <i>Wall tie replacement</i>	2	444v3
R/617/2790	Applying preservation treatment in the workplace <u>Unit Endorsements</u> <i>One of the following endorsements requirement:</i> <i>Wood preservation</i> <i>Damp-proofing</i>	2	445v3
Y/617/2791	Reinstating the structure after building treatments in the workplace	2	446v3

Pathway 2 – Wall Tie Replacement

Candidates must complete all of the Mandatory units in this pathway.

Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
D/617/2789	Preparing structures for treatment in the workplace <u>Unit Endorsements</u> One of the following endorsements required: <i>Wood preservation</i> <i>Damp-proofing</i> <i>Wall tie replacement</i>	2	444v3
Y/617/2791	Reinstating the structure after building treatments in the workplace	2	446v3
D/617/2792	Installing wall ties in existing structures in the workplace <u>Unit Endorsements</u> Two of the following endorsements required: <i>Driven systems</i> <i>Grouted systems</i> <i>Resin systems</i> <i>Mechanical systems</i>	2	447v3

Pathway 3 – External Wall Insulation – Boarder/Finisher

Candidates must complete all of the Mandatory units in this pathway.

Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
L/617/2769	Installing external wall insulation in the workplace <u>Unit Endorsements</u> One of the following endorsements required <i>Pre-finished insulation systems</i> <i>Non-finished insulation systems</i>	2	448v3
D/617/2775	Applying surface finishes to external wall insulation in the workplace <u>Unit Endorsements</u> Two of the following endorsements required: <i>Dash finishes</i> <i>Synthetic/non-synthetic renders</i> <i>Proprietary pre-cast finishes</i> <i>Paint finishes</i> <i>Corner and surface beads</i> <i>Brick slips</i> <i>Brick effect render</i>	2	449v3

Pathway 4 – Cold/Warm Roof Insulation

Candidates must complete all of the Mandatory units in this pathway.

Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
J/617/2771	Installing insulation to cold roofs in the workplace	2	451v3
H/617/2776	Installing insulation to warm roofs in the workplace	2	748v1

Additional Units			<i>CITB references provided for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
A/615/1609	Erecting and dismantling access/working platforms in the workplace <i>Unit Endorsements</i> <i>The following endorsement required (i.e. own area of work):</i> <i>Insulation and building treatments</i> <i>Plus two of the following endorsements required:</i> <i>Ladders/crawler boards</i> <i>Proprietary towers</i> <i>Trestle platforms</i> <i>Mobile scaffold towers</i> <i>Proprietary staging/podiums</i>	2	250
M/615/1560	Applying finishing plaster to prepared surfaces in the workplace	2	65v2

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/or occupationally competent.

Assessors/Internal Quality Assurance

Assessors for each unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

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

Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector developed by CITB.

Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualifications must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment, and it must be internally assessed by an appropriately experienced and qualified assessor.

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

- Evidence can include:
- observation report by assessor
 - assignments/projects/reports
 - professional discussion
 - witness testimony
 - candidate product
 - worksheets
 - record of oral and written questioning
 - Recognition of Prior Learning

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 can be found from page 11.

Additional information for assessment and requirements for unit **endorsements** where relevant is included after all of the learning outcomes and assessment criteria for each unit.

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 requirements for this qualification will be awarded:

- A certificate listing all units achieved, 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 qualification. All certificates will be issued to the centre for successful candidates.

Unit certificates

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

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.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Unit Number:	M/508/6537	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

Units – Learning Outcomes and Assessment Criteria

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

Units – Learning Outcomes and Assessment Criteria

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

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to productive working practices in the workplace	
Unit Number:	T/508/6538	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
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.
	3.3	Explain the reasons for ensuring documentation is completed clearly and within given timescales.
4 Maintain good working relationships when conforming to productive working practices.	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.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to productive working practices in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
	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.

Title:	Conforming to Productive Working Practices in the Workplace	
Additional information about this unit		
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>	
Sector Subject Areas	05.2 Building and Construction	
Availability for use	Shared unit	
Unit guided learning hours	10	

Units – Learning Outcomes and Assessment Criteria

Title:	Moving, handling and storing resources in the workplace	
Unit Number	Y/508/6533	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Comply with given information when moving, handling and/or storing resources.	1.1	Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.
	1.2	Interpret the given information relating to the use and storage of lifting aids and equipment.
	1.3	Describe the different types of technical, product and regulatory information, their source and how they are interpreted.
	1.4	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.5	Describe how to obtain information relating to using and storing lifting aids and equipment.
2 Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <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.
	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 the reports.
	2.4	State the appropriate types of fire extinguishers relevant to the work.
	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.
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.

Units – Learning Outcomes and Assessment Criteria

Title:	Moving, handling and storing resources in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	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.
	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.

Units – Learning Outcomes and Assessment Criteria

Title:	Moving, handling and storing resources in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 continued	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 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: <ul style="list-style-type: none"> – 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.

Units – Learning Outcomes and Assessment Criteria

Title:	Moving, handling and storing resources in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	17

Units – Learning Outcomes and Assessment Criteria

Title:	Preparing structures for treatment in the workplace	
Unit Number:	D/617/2789	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing structures for treatment.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, manufactures' information and data sheets.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufactures' information and data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when preparing structures for treatment.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when preparing structures for treatment.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when preparing structures for treatment.
	3.2	Demonstrate compliance with given information and relevant legislation when preparing structures for treatment in relation to the following <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health

Units – Learning Outcomes and Assessment Criteria

Title:	Preparing Structures for Treatment in the Workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.3	Explain why and when health and safety control equipment identified by the principles of prevention should be used, relating to preparing structures for treatment, 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 – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities
4 Select the required quantity and quality of resources for the methods of work to prepare structures for treatment.	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"> – cleaning fluids, neutralisers, inhibitors, water repellents, stabilisers and wall ties – signs, barriers, props, fixings – hand tools, portable power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity length, area, volume and wastage associated with the method/procedure to prepare structures for treatment.

Units – Learning Outcomes and Assessment Criteria

Title:	Preparing Structures for Treatment in the Workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when preparing structures for treatment.	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 and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when preparing structures for treatment.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to prepare structures for treatment to the required specification.	7.1	Demonstrate the following work skills when preparing structures for treatment: <ul style="list-style-type: none"> – measuring, marking out, preparing, positioning and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Prepare for treatments of wood preservation and/or damp-proofing and/or wall tie replacement, to given working instructions, relating to three of the following: <ul style="list-style-type: none"> – clean substrates – erect temporary barriers and signs – removal of non-structural and/or structural components for access to treatment areas – storage of items to be reinstated.

Units – Learning Outcomes and Assessment Criteria

Title:	Preparing Structures for Treatment in the Workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
	7.4	<p>Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – understand the implications of existing guarantees and warranties – prepare site and clean structures to substrate for either in-situ wood preservation and/or damp-proofing and/or wall tie replacement remedial treatments above and below (wood preservation only) ground level – protect the site from all treatments (dust sheets, plastic sheets) – measure areas for treatment and volumes of treatment products: cleaning fluids, neutralisers, inhibitors, biocides, water repellents stabilisers and wall ties – erect temporary barriers and signs – remove non-structural and structural components for access to treatment areas – check for hidden utilities – provide temporary supports to the structure – store items to be reinstated after treatment – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance and report accordingly – use hand tools, portable power tools and equipment – work at height – use access equipment and work platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when preparing structures for treatment.
	7.6	Describe how to maintain the tools and equipment used when preparing structures for treatment.

Units – Learning Outcomes and Assessment Criteria

Title:	Preparing Structures for Treatment in the Workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction)</u></p> <p>One of the following endorsements required:</p> <p>Wood preservation Damp-proofing Wall tie replacement</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	43

Units – Learning Outcomes and Assessment Criteria

Title:	Applying preservation treatment in the workplace	
Unit Number:	R/617/2790	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when applying preservation treatment.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments, manufactures' information and data sheets.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments and manufactures' information and data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when applying preservation treatment.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, vehicles, company and operative/technician.
	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 applying preservation treatment and describe how and when they are used

Units – Learning Outcomes and Assessment Criteria

Title:	Applying preservation treatment in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when applying preservation treatment.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when applying preservation treatment.
	3.2	Demonstrate compliance with given information and relevant legislation when applying preservation treatment in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health.
	3.3	Explain why and when health and safety control equipment identified by the principles of prevention should be used, relating to applying preservation treatment, and the types, purpose and limitations of each type the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to apply preservation treatment.	4.1	Select resources associated with own work in relation to materials, components, 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"> – biocides, damp-proofing products and water – cementitious, liquid and physical membranes – hand tools, portable power tools and treatment equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying preservation treatment in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area, volume and wastage associated with the method/procedure to apply preservation treatment.
5 Minimise the risk of damage to the work and surrounding area when applying preservation treatment.	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 in accordance with environmental responsibilities, organisational procedures, manufacturers' information and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when applying preservation treatment.	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.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying preservation treatment in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to apply preservation treatment to the required specification.	7.1	Demonstrate the following work skills when applying preservation treatment: <ul style="list-style-type: none"> – measuring, mixing, brushing, drilling, spraying and injecting.
	7.2	Use and maintain hand tools, portable power tools, treatment equipment and ancillary equipment.
	7.3	Apply remedial in-situ treatments to given working instructions for either wood preservation and/or damp-proofing.
	7.4	Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> - understand the implications of existing guarantees and warranties - apply wood preservation and/or damp-proofing treatments above or below (wood preservation only) ground level to structures and components by brush, spray, irrigation, injection and electro-osmosis - prepare two-part treatment mixes - identify and complete drilling patterns - measure areas for treatment and volumes of treatment mixes, biocides and additives - apply cementitious and liquid membranes and fix physical membranes - recognise when specialist skills and knowledge are required and report accordingly - recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance - use hand tools, portable power tools and treatment equipment - work at height - use access equipment and work platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when applying preservation treatments.
	7.6	Describe how to maintain the tools and equipment used when applying preservation treatment.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying preservation treatment in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction):</u></p> <p>One of the following endorsements required:</p> <p>Wood preservation Damp-proofing</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	53

Units – Learning Outcomes and Assessment Criteria

Title:	Reinstating the structure after building treatments in the workplace	
Unit Number:	Y/617/2791	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when reinstating the structure after building treatments.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and data sheets.
	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 data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when reinstating the structure after building treatments.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment 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, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Units – Learning Outcomes and Assessment Criteria

Title:	Reinstating the structure after building treatments in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Maintain safe and healthy working practices when reinstating the structure after building treatments.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when reinstating the structure after building treatments
	3.2	Demonstrate compliance with given information and relevant legislation when reinstating the structure after building treatments in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to reinstating the structure after building treatments, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to reinstate the structure after building treatments	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"> – removed components, sand, cement, lime, bricks, masonry, stone, plasters, plasterboards, damp-proof course (DPC), insulation, timber, wall ties, dyes, fixings, fittings – hand tools, power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Reinstating the structure after building treatments in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to reinstate the structure after building treatments.
5 Minimise the risk of damage to the work and surrounding area when reinstating the structure after building treatments.	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 and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when reinstating the structure after building treatments	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.

Units – Learning Outcomes and Assessment Criteria

Title:	Reinstating the structure after building treatments in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to reinstate the structure after building treatments to the required specification.	7.1	Demonstrate the following work skills when reinstating the structure after building treatments: – measuring, marking out, fitting, applying, cleaning, positioning and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment
	7.3	Reinstate the structure after wood preservation and/or damp-proofing treatments and/or wall tie replacement to given working instructions, relating to two of the following: – air bricks – masonry – plasterwork and/or renders – structural timbers (wall plates, joists, flooring/decking) wood preservation and/or damp-proofing only – non-structural components (doors, windows, skirting, architraves and services that have been temporarily moved for treatment purposes) – damp-proof courses – insulation.
	7.4	Arrange re-commission of services (electric, gas, water, media cables) to given working instructions.
	7.5	Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – reinstate structures after treatments above or (wood preservation only) below ground – understand the implications of existing guarantees and warranties –reinstall air bricks and ventilation – reinstate masonry – rebuild (sleeper walls, piers, walls) – apply plasterwork where removed – install structural timbers (wall plates, joists, flooring/decking) – replace doors, windows, skirting, architraves – replace services, to the point of connection, that were temporarily removed for treatment purposes – arrange the re-commission of services (electric, gas, water, media cables) – insert damp-proof courses – replace insulation – mix lime, and cement mortars and concrete – clean cavities

Units – Learning Outcomes and Assessment Criteria

Title:	Reinstating the structure after building treatments in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.6	<ul style="list-style-type: none"> – complete post installation checks: compliance with specifications, water penetration, anchorage/fixing, vents, services (gas, electric, water, media cables) – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance – use hand tools, portable power tools and equipment – work at height – use access equipment and work platforms.
	7.7	Describe the needs of other occupations and how to effectively communicate within a team when reinstating the structure after building treatments
	7.8	Describe how to maintain the tools and equipment used when reinstating the structure after building treatments.

Title:	Reinstating the structure after building treatments in the workplace	
Additional information about this unit		
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>	
Sector Subject Areas	5.2 Building and Construction	
Availability for use	Shared unit	
Unit guided learning hours	57	

Units – Learning Outcomes and Assessment Criteria

Title:	Installing wall ties in existing structures in the workplace	
Unit Number:	D/617/2793	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing wall ties in existing structures.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and data sheets.
	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 data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing wall ties in existing structures.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment 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, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing wall ties in existing structures.	3.1	Use health and safety control equipment and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing wall ties in existing structures.
	3.2	Demonstrate compliance with given information and relevant legislation when installing wall ties in existing structures in relation to the following: – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health

Units – Learning Outcomes and Assessment Criteria

Title:	Installing wall ties in existing structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing wall ties in existing structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install wall ties in existing 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: <ul style="list-style-type: none"> – ties, fixings, fittings, resins and grouts – hand tools, portable power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install wall ties in existing structures.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing wall ties in existing structures in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when installing wall ties in existing 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 and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing wall ties in existing 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: <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.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing wall ties in existing structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Comply with the given contract information to install wall ties in existing structures to the required specification.	7.1	Demonstrate the following work skills when installing wall ties in existing structures: – measuring, marking out, fitting, finishing, positioning and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Install and test new wall ties/fixings into existing structures to given working instructions, relating to two of the following systems: – driven – grouted – resin – mechanical.
	7.4	Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – carry out pre and post installation checks – install driven, grouted, resin and mechanical wall tie/fixing systems into existing stone, concrete, masonry, brick, block, timber and manufactured unit structures – understand the implications of existing guarantees and warranties – understand the implications of existing cavity wall insulation – test pull wall ties – remove existing defective wall ties – isolate existing defective wall ties – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance – use hand tools, portable power tools and equipment – work at height – use access equipment and work platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing wall ties in existing structures.
	7.6	Describe how to maintain the tools and equipment used when installing wall ties in existing structures.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing wall ties in existing structures in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction):</u></p> <p>Two of the following endorsements required:</p> <ul style="list-style-type: none"> Driven systems Grouted systems Resin systems Mechanical systems
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	57

Units – Learning Outcomes and Assessment Criteria

Title:	Installing external wall insulation in the workplace	
Unit Number:	L/617/2769	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing external wall insulation.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments manufacturers' information and data sheets.
	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 data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing external wall insulation.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment 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, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing external wall insulation in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing external wall insulation.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing external wall insulation.
	3.2	Demonstrate compliance with given information and relevant legislation when installing external wall insulation in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing external wall insulation, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install external wall insulation.	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"> – insulation materials, tracks, adhesives, sealants, mechanical fixing components, pre-formed trims, tracks and shims, beads, joints and cills – vapour control/airtightness layers – hand tools, portable power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing external wall insulation in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install external wall insulation.
5 Minimise the risk of damage to the work and surrounding area when installing external wall insulation.	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 and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing external wall insulation.	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 install external wall insulation to the required specification.	7.1	Demonstrate the following work skills when installing external wall insulation: <ul style="list-style-type: none"> – removing, measuring, marking out, fitting, filling, finishing, positioning and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment
	7.3	Prepare and install external wall insulation to given working instructions, relating to one of the following: <ul style="list-style-type: none"> – pre-finished insulation systems/methods – non-finished insulation systems/methods.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing external wall insulation in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4	Carry out pre and post installation checks
	7.5	<p>Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – carry out external and internal pre-installation checks: level, plumb, structural integrity, dampness, vents, services (gas, electric, water, media cables) – recognise the procedures to check flues and combustion air ventilation – understand the implications of existing guarantees and warranties – confirm condition of substrate for installation – remove existing defective surface finishes – install pre-finished or non-finished insulation systems/methods to all surface areas including door and window reveals – minimise the effects of thermal bridging – make good existing surface finishes –reinststate ancillary wall fixtures (downpipes, fences, handrails) – provide temporary protective covers to work areas – apply treatments to existing walls – cut and fix pre-formed trims – cut and fix mounting blocks – cut, line, level, drill and fix tracks, beads, shims, joints, cills – complete post installation checks: compliance with specifications, water penetration, anchorage/fixing, vents, services (gas, electric, water, media cables) – install vapour control barriers/airtightness layers where appropriate – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance – use hand tools, portable power tools and equipment – work at height – use access equipment and work platforms.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing external wall insulation.
	7.7	Describe how to maintain the tools and equipment used when installing external wall insulation.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing external wall insulation in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction):</u></p> <p>One of the following endorsements required:</p> <p>Pre-finished insulation systems</p> <p>Non-finished insulation systems</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	67

Units – Learning Outcomes and Assessment Criteria

Title:	Applying surface finishes to external wall insulation in the workplace	
Unit Number:	D/617/2775	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when applying surface finishes to external wall insulation.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments manufacturers' information and data sheets.
	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 data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when applying surface finishes to external wall insulation.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment 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, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying surface finishes to external wall insulation in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Maintain safe and healthy working practices when applying surface finishes to external wall insulation.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when applying surface finishes to external wall insulation.
	3.2	Demonstrate compliance with given information and relevant legislation when applying surface finishes to external wall insulation in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to applying surface finishes to external wall insulation, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to apply surface finishes to external wall insulation.	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"> – dash finishes, proprietary pre-cast finishes, paints, beads, reinforcement, stress patches, brick slips, renders, sealants, fixings and fittings – hand tools, portable power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying surface finishes to external wall insulation in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to apply surface finishes to external wall insulation.
5 Minimise the risk of damage to the work and surrounding area when applying surface finishes to external wall insulation.	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 and data sheets, statutory regulations and official guidance.
6 Complete the work within the allocated time when applying surface finishes to external wall insulation.	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 applying surface finishes to external wall insulation to the required specification.	7.1	Demonstrate the following work skills when applying surface finishes to external wall insulation: <ul style="list-style-type: none"> – measuring, marking out, mixing, applying and fitting.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment
	7.3	Apply base coats, reinforcing mesh and stress patches
	7.4	Apply finishes to external wall insulation to given working instructions, relating to two of the following: <ul style="list-style-type: none"> – dash finishes – synthetic or non-synthetic renders – proprietary pre-cast finishes – paint finishes – corner and surface beads – brick slips – brick effect render.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying surface finishes to external wall insulation in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
7 Continued	7.5 Carry out pre and post installation checks
	7.6 Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – carry out pre-installation checks to include structural integrity, dampness, vents, services (gas, electric, water, media cables) – recognise the procedures to check flues and combustion air ventilation – understand the implications of existing guarantees and warranties – apply, dash finishes, synthetic and non-synthetic renders, proprietary pre-cast finishes, paint finishes, brick slips, brick effect render and sealants to previously installed external wall surface insulation including door and window reveals – minimise the effects of thermal bridging – fix corner and surface beads – apply base coats, reinforcing mesh and stress patches – complete post installation checks: compliance with specifications, resistance to water penetration, anchorage/fixing, vents, services (gas, electric, water, media cables) – carry out any maintenance and repair after installation – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance – use hand tools, portable power tools and equipment – work at height – use access equipment and work platforms.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when applying surface finishes to external wall insulation.
	7.8 Describe how to maintain the tools and equipment used when applying surface finishes to external wall insulation.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying surface finishes to external wall insulation in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction):</u></p> <p>Two of the following endorsements required:</p> <ul style="list-style-type: none"> Dash finishes Synthetic/non-synthetic renders Proprietary pre-cast finishes Paint finishes Corner and surface beads Brick slips Brick effect render
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	63

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace	
Unit Number:	J/617/2771	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing insulation to cold roofs.	1.1	Interpret and extract relevant information drawings, specifications, schedules, method statements, risk assessments manufacturers' information and data sheets.
	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 data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing insulation to cold roofs.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing insulation to cold roofs.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing insulation to cold roofs.
	3.2	Demonstrate compliance with given information and relevant legislation when installing insulation to cold roofs in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing insulation to cold roofs, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install insulation to cold 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"> – insulation, pipe insulation, tank and cylinder jackets, fixings and ancillary items – hand tools and installation equipment, portable power tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.6	Describe how to calculate quantity, length, depth area and wastage associated with the method/procedure to install insulation to cold roofs.
5 Minimise the risk of damage to the work and surrounding area when installing insulation to cold roofs.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing insulation to cold roofs.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to install insulation to cold roofs to the required specification.	7.1	Demonstrate the following work skills when installing insulation to cold roofs – measuring, marking out, calculating, cutting, fitting, positioning and securing.
	7.2	Use and maintain hand tools, installation equipment, portable power tools and ancillary equipment
	7.3	Prepare and install insulation to cold roofs using two of the following methods in compliance with current regulations and to given working instructions: – injected/blown – placed – mechanically or adhesively fixed – sprayed
	7.4	Prepare and install insulation to the following in compliance with current regulations and to given working instructions – pipes – tanks and/or cylinders – access hatches
	7.5	Carry out pre and post installation checks
	7.6	Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – understand the implications of existing guarantees and warranties – recognise the procedures to check flues and combustion air ventilation – protect access routes – remove obstructions and store – remove unwanted insulation from roof area – carry out pre-installation checks to include common infestations, protected species, structural integrity, dampness, vents, services (gas, electric, water, media cables) – check adequacy of ventilation and increase if required – recognise the potential risk of increased condensation following installation relating to roof coverings (pitched and flat) and roof structures (timber, metal, concrete) – ensure all work to services (gas, electric, water, media cables) is carried out by suitably qualified people

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.6 contd	<ul style="list-style-type: none"> – check for hidden utilities – identify insulation materials and their characteristics for cold roofs, pipes, storage tanks, cylinders and access hatches – prepare and install injected/blown, placed, mechanically or adhesively fixed and sprayed insulation to cold roofs – minimise the effects of thermal bridging – insulate up to and under existing walkway boards – check serviceability and provision of walkway boards – prepare and fix pipe, tank and cylinder insulation – ensure the insulation is contained within the prescribed areas – insulate downlighters to the required specification – ensure insulation around electrical apparatus will not create fire hazards (light fittings and cables) – restrict or reduce unwanted heat loss (down lights and other fittings) – maintain fire resistant barriers where appropriate – insulate access hatches – complete post installation checks – provide advice to preserve the integrity of the insulation (insulation data sheet and warning labels) – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, installation equipment, portable power tools and ancillary equipment – work at height – work in confined spaces – use access equipment and work platforms.
	7.7	Describe the needs of other occupations and how to effectively communicate within a team when installing insulation to cold roofs.
	7.8	Describe how to maintain the tools and equipment used when installing insulation to cold roofs.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to cold roofs in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace	
Unit Number:	H/617/2776	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing insulation to warm roofs in the workplace	1.1	Interpret and extract relevant information from drawings, specifications, schedules, methods statements, risk assessments and manufacturers' information and data sheets.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and data sheets, and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing insulation to warm roofs.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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, vehicles, company and operative/technician.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing insulation to warm roofs.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing insulation to warm roofs.
	3.2	Demonstrate compliance with given information and relevant legislation when installing insulation to warm roofs in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and work platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health.
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing insulation to warm roofs, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to install insulation to warm roofs.	4.1	Select resources associated with own work in relation to materials, components, 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"> – insulation materials, filling materials, vapour control/airtightness layers – installation equipment – hand tools, portable power tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install insulation to warm roofs.
5 Minimise the risk of damage to the work and surrounding area when installing insulation to warm roofs.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information and data sheets, statutory regulations and official guidance.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
6 Complete the work within the allocated time when installing insulation to warm roofs.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of 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 insulation to warm roofs to the required specification.	7.1	Demonstrate the following work skills when installing insulation to warm roofs: <ul style="list-style-type: none"> – measuring, marking out, cutting, fitting, finishing, positioning, sealing, fixing, and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Prepare and install insulation to the plane of the roof pitch to given working instructions using one of the following methods <ul style="list-style-type: none"> – injected/blown – placed – mechanically or adhesively fixed – sprayed.
	7.4	Carry out pre and post installation checks.
	7.5	Describe how to apply safe, healthy and environmental work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – understand the implications of existing guarantees and warranties – recognise the procedures to check flues and combustion air ventilation – carry out pre-installation checks to include structural integrity, dampness, vents, services, (gas, electric, water, media cables) – protect access routes – remove obstructions and store – remove unwanted insulation from roof area – ensure all work to services (gas, electric, water, media cables) is carried out by suitably qualified people – check for hidden utilities – identify insulation materials and their characteristics – install injected/blown, placed, mechanically or adhesively fixed and sprayed insulation to warm roofs – restrict or reduce unwanted heat loss – ensure the integrity of vapour control/airtightness layers where appropriate

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 continued	7.5 contd	<ul style="list-style-type: none"> – ensure adequate ventilation above and below insulation – recognise the potential risk of increased condensation following installation relating to roof coverings (pitched and flat) and roof structures (timber, metal, concrete) – maintain fire resistant barriers where appropriate – assemble, operate, clean and disassemble installation processing equipment – calibrate equipment to measure density, flow and quality tests – seal joints, perimeters and penetrations – minimise the effects of thermal bridging – complete post installation checks – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional construction (pre 1919) and historical significance – use hand tools, portable power tools and installation/ancillary equipment – work at height – work in confined spaces – use access equipment and work platforms.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing insulation to warm roofs.
	7.7	Describe how to maintain the tools and equipment used when installing insulation to warm roofs.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing insulation to warm roofs in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60

Units – Learning Outcomes and Assessment Criteria

Title:	Erecting and dismantling access/working platforms in the workplace	
Unit Number:	A/615/1609	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when 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: <ul style="list-style-type: none"> – 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: <ul style="list-style-type: none"> – 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.
	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.

Units – Learning Outcomes and Assessment Criteria

Title:	Erecting and dismantling access/working platforms in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to 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 when erecting and dismantling access/working platforms.	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.
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: <ul style="list-style-type: none"> – organisational procedures for reporting circumstances which will affect the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Erecting and dismantling access/working platforms in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
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: <ul style="list-style-type: none"> – moving, positioning/erecting, securing, checking, dismantling and removing.
	7.2	Erect, dismantle and store two of the following access equipment to given access regulations: <ul style="list-style-type: none"> – 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: <ul style="list-style-type: none"> – provide protection to the work area – establish a base for equipment – 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.

Units – Learning Outcomes and Assessment Criteria

Title:	Erecting and dismantling access/working platforms in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Insulation and Building Treatments (Construction):</u></p> <p>The following endorsement required (i.e. own area of work)</p> <p>Insulation and building treatments</p> <p>Plus two of the following endorsements required:</p> <p>Ladders/crawler boards Step ladders/platform steps Proprietary towers Trestle platforms Mobile scaffold towers Proprietary staging/podiums</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	27

Units – Learning Outcomes and Assessment Criteria

Title:	Applying finishing plaster to prepared surfaces in the workplace	
Unit Number:	M/615/1560	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when applying finishing plaster to prepared surfaces	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when applying finishing plaster to prepared surfaces.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when applying finishing plaster to background prepared surfaces	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when applying finishing plaster to prepared surfaces
	3.2	Demonstrate compliance with given information and relevant legislation when applying finishing plaster to prepared surfaces in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health

Units – Learning Outcomes and Assessment Criteria

Title:	Applying finishing plaster to prepared surfaces in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to applying finishing plaster to prepared surfaces, 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 – local exhaust ventilation (LEV) – personal protective equipment (PPE) – respiratory protective equipment (RPE).
	3.4	Describe how relevant health and safety control equipment should be used in accordance with given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to apply finishing plaster to prepared surfaces.	4.1	Select resources associated with own work in relation to materials, components, tools and ancillary 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"> – plaster – clean water – hand tools portable power tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to apply finishing plaster to prepared surfaces.

Units – Learning Outcomes and Assessment Criteria

Title:	Applying finishing plaster to prepared surfaces in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when applying finishing plaster to prepared surfaces	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 applying finishing plaster to prepared surfaces.	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 apply finishing plaster to prepared surfaces to the required specification.	7.1	Demonstrate the following work skills when applying finishing plaster to prepared surfaces: <ul style="list-style-type: none"> – checking, applying and finishing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment
	7.3	Check surface, mix and apply finishing plasters to two of the following to given working instructions. <ul style="list-style-type: none"> – pre-plastered surfaces – plasterboard – finished concrete

Units – Learning Outcomes and Assessment Criteria

Title:	Applying finishing plaster to prepared surfaces in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 continued	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – mix plasters – check surface preparation – apply finishing plasters to vertical and horizontal surfaces (pre-plastered, plasterboard and finished concrete) – recognise and determine when specialist skills and knowledge are required and report accordingly – understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, portable power tools and ancillary equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when applying finishing plaster to prepared surfaces.
	7.6	Describe how to maintain the tools and equipment used when applying finishing plaster to prepared surfaces

Units – Learning Outcomes and Assessment Criteria

Title:	Applying finishing plaster to prepared surfaces in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60



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