



National Unit specification: general information

Unit title: Bricklaying: Minor Works and Repairs to Plaster and Render Surfaces (SCQF level 6)

Unit code: H08L 12

Superclass: TG

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Summary

This Unit is suitable for candidates working towards a Modern Apprenticeship in Bricklaying and will develop the candidate's skills in plastering and rendering surfaces. This Unit is designed to provide candidates with competence in interpreting sources of information, organising, planning and demonstrating safe work skills associated with plastering and rendering surfaces.

Outcomes

- 1 Demonstrate knowledge and understanding of plastering and rendering.
- 2 Use and maintain hand tools, portable power tools and ancillary equipment.
- 3 Apply plaster and external render to given specification.

Recommended entry

While entry is at the discretion of the centre, candidates undertaking the Professional Development Award in Bricklaying at SCQF level 6 must meet the requirements of the Modern Apprentices which include being employed in the relevant craft industry.

Credit points and level

1 National Unit credits at SCQF level 6: (6 SCQF credit points at SCQF level 6*).

**SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

General information (cont)

Unit title: Bricklaying: Minor Works and Repairs to Plaster and Render Surfaces (SCQF level 6)

Core Skills

There is no automatic certification of Core Skills or Core Skill components in this Unit. Opportunities for developing aspects of the following Core Skills are highlighted in Support Notes of this Unit.

- ◆ Problem Solving at SCQF level 4
- ◆ Working with others at SCQF level 4
- ◆ ICT at SCQF level 3
- ◆ Numeracy at SCQF level 4
- ◆ Communications at SCQF level 4

National Unit specification: statement of standards

Unit title: Bricklaying: Minor Works and Repairs to Plaster and Render Surfaces Plaster and Render Surfaces (SCQF Level 6)

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Demonstrate knowledge and understanding of plastering and rendering.

Performance Criteria

- (a) Identify solid plastering and rendering terminology and materials.
- (b) Identify solid plaster and render construction practices and details.

Outcome 2

Use and maintain hand tools, portable power tools and ancillary equipment.

Performance Criteria

- (a) Identify hand tools, their uses and maintenance for a given specification
- (b) Identify portable power tools, their uses and maintenance for a given specification
- (c) Identify ancillary equipment, their uses and maintenance for a given specification
- (d) Comply with current Health and Safety and Sustainability requirements during all work activities.

Outcome 3

Apply plaster and external render to given specification.

Performance Criteria

- (a) Prepare measure, mark out, apply and finish in accordance with a given specification.
- (b) Remove defective plaster and render work in accordance with a given specification.
- (c) Apply internal plasterwork in accordance with a given specification.
- (d) Apply external rendering in accordance with a given specification.
- (e) Comply with current Health and Safety and Sustainability requirements during all work activities.

National Unit specification: statement of standards (cont)

Unit title: Trowel Occupations Bricklaying; Minor Works and Repairs to Plaster and Render Surface: Plaster and Render Surfaces (SCQF Level 6)

Evidence Requirements for this Unit

Evidence is required to demonstrate that the candidates have achieved this Unit to the standard specified in all Outcomes and Performance Criteria.

Written and/or oral recorded evidence is required to demonstrate that the candidate has achieved Outcome 1 to the standard specified in the Performance Criteria. Candidates will be required to demonstrate their knowledge and understanding of plastering and rendering terms and detailing; identify materials; the use and maintenance of hand and power tools and ancillary equipment and construction practices associated with plastering and rendering surfaces. This assessment will take the form of a question paper and will be conducted under controlled, closed-book supervised conditions.

Performance evidence is required to demonstrate that the candidate has achieved Outcome 2 and Outcome 3 to the standards specified in the Performance Criteria. For Outcome 2 candidates will be required to select, use and maintain tools and equipment for a specific work instruction and for Outcome 3 candidates will be required to affect a repair to plastered and rendered surfaces.

Assessment of these Outcomes will be evidenced through observation of work processes and assessment of the completed work piece. Candidates must meet the given standards and tolerances during the practical activity. An assessor observation checklist must be used to record this evidence. Assessment should be conducted under controlled, supervised conditions.

Summary of standards (working towards industrial tolerances)	
Item	Measurement of standard
Outcomes 2 and 3	
Interpret the given drawings and specifications.	All plaster/render materials and components selected accurately.
Selects the correct tools and equipment to carry out the work.	To allow the work to be completed to specification.
Prepare background	Removes loose/spalling masonry
Control suction - wetting	Surfaces area evenly dampened down throughout
External render: Wet Roughcast or Smooth render	
Apply first coat	Free from heavy trowel marks
Apply first coat evenly	6-18mm throughout
Form mechanical key (scratch)	Horizontal scratch 4-10mm deep
Apply second coat	
Form ingoes and soffit (float)	Even texture and width throughout
Form arrises	Sharp throughout
Apply second coat: Wet roughcast Smooth render	Evenly brush with stiff broom Finish as specified

Apply wet roughcast	Free from runs and whip marks
External render: Dry dash	
Apply first coat	Free from heavy trowel marks
Apply first coat evenly	6-18mm throughout
Form mechanical key (scratch)	Horizontal scratch 4-10mm deep
Apply second coat	
Form ingoes and soffit (float)	Even texture and width throughout
Form arrises	Sharp throughout
Apply second coat	Free from heavy trowel marks
Apply dry dash	Evenly without sags or misses
Apply dry dash	Sufficiently bedded into background
Internal plastering: One-coat	
Background preparation (identification/removal)	The extent of the damaged plasterwork / plasterboard is recognised The area of damaged plasterwork / plasterboard is accurately marked out Defective area cut away without damage to surrounding area
Background preparation	Mechanical key formed as required. Edges of damaged area cut back to secure edge
Selection and preparation of materials	Correct materials selected to carry out repair and to match original
Backing coat	Applied with no overlap to surrounding materials
Arrisses	Straight and in line with existing
Surface finish	Level and flat with existing finish
Internal plastering: Two-coat	
Background preparation (identification/removal)	The extent of the damaged area is recognised and taken back to solid background
Background preparation Mechanical key formed as required	Mechanical key formed as required. Edges of damaged area cut back to secure edge
Selection and preparation of materials	Correct materials selected to carry out repair and to match original
Corner bead	Cut to required length ± 3 mm Securely fixed to background Straight throughout its length and in line with existing corner bead
Straightening coat	Straight and in line with existing background with overlap
Arrises	Straight and in line with existing
Surface finish	Level and flat with existing finish
Health & Safety	
Risk assessment	
Safety boots	Worn at all times
Hard hat	Worn at all times
High visibility vest	Worn at all times
All other PPE	As risk assessed
Method statement	
Working area	Kept clear at all times
Materials	Stacked safely at all times
Tools (during working)	Handled correctly at all times
Tools (after work)	Cleaned and stored safely

Sustainability	
Waste	Kept to a minimum at all times.
Recycling	Materials recycled whenever possible.
Waste disposal	Waste disposed correctly/appropriately

National Unit specification: support notes

Unit title: Bricklaying: Minor Works and Repairs to Plaster and Render Surfaces Plaster and Render Surfaces (SCQF Level 6)

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

This Unit has been developed as an Optional Unit in the Professional Development Award in Bricklaying at SCQF level 6.

The successful completion of the Unit will provide candidates with the required knowledge and skills relating to apply plaster and render to surfaces.

This Unit would be offered to candidates working towards a Modern Apprenticeship in Bricklaying and will develop the candidate's skills in installing drainage. The skills and knowledge and understanding are transferable within different working environments but the Unit is primarily aimed at candidates whose normal place of work would be a site, workshop, or similar environment.

The Unit deals with using a range of plastering and rendering tools and equipment, preparing surfaces and applying coatings to minor work and patch repairs.

Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safety working practices should comply with current safety codes of practice and regulations. Sustainability should include reference to criteria affecting sustainability, impact of not implementing sustainability on the environment and the legislation promoting sustainability.

Guidance on learning and teaching approaches for this Unit

Candidates must be given the opportunity to further develop their skills in bricklaying by learning about plastering and rendering surfaces.

Candidate centred learning and teaching approach are encouraged with candidates actively participating in practical activities after lecturer demonstration of key construction practices and principles.

The use of effective questioning techniques to confirm understanding of salient learning objectives should be central to learning and teaching approaches used in classrooms or workshops.

Candidates should be encouraged to learn at their own pace with e-learning opportunities available to suit their preferred learning style.

The use of e-learning as a teaching tool should be adopted by lecturers wherever possible to enable candidates to develop at their own pace using preferred learning styles.

National Unit specification: support notes (cont)

Unit title: Bricklaying: Minor Works and Repairs to Plaster and Render Surfaces Plaster and Render Surfaces (SCQF Level 6)

Learning and Teaching approaches should ensure that candidates are acquiring the underpinning knowledge required for the Unit in tandem with undertaking practical workshop activities.

There are opportunities for candidates to develop co-operative working skills as the practical assessments may be carried out working in teams or in pairs. Candidates should take equal responsibility for activities and provide support and information to each other during assessments. After assessment, they should be encouraged to consider how effectively they supported each other.

Opportunities should be taken throughout delivery of this Unit to meet the requirements of the PDA generic Units and the Training and Assessment Programme including:

- ◆ *Conform to General Workplace Health Safety and Welfare*
- ◆ *Confirm Work Activities and Resources for the Work*
- ◆ *Develop and Maintain Good Working Relationships*
- ◆ *Confirm the Occupational Method of Work*
- ◆ *Conform to Productive Working Practices*
- ◆ *Move and Handle Resources*

Guidance on approaches to assessment for this Unit

Detailed assessment material for this Unit will be found in the Bricklaying Training and Assessment Programme (TAP). Centres may use the instruments of assessment which they consider to be most appropriate but are advised to use the Bricklaying TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been through prior verification.

The candidates knowledge and understanding of terminology, techniques and construction practices and components related to plastering and rendering for Outcome 1 will be assessed through a closed-book question paper.

Candidates should be given as much practice as possible in the work practices associated with plastering and rendering prior to being set the assessment. Evidence will be gathered for Outcome 2 and Outcome 3 through observation that the candidates have met the given standards and tolerances during the practical assessments. Assessor observation checklists should be used to record this evidence.

Opportunities for the use of e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003)*, *SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

National Unit specification: support notes (cont.)

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Opportunities for developing Core Skills

Components of the Core Skill of *Problem Solving* at SCQF level 4, such as Planning and Organising and Critical Thinking will be developed as candidates undertake this Unit. Candidates will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, appropriate materials, safety issues, safety equipment and sustainability. Individual discussions with assessors will enhance the evaluation of productive working practices.

There are opportunities to develop the Core Skill of *Working with Others* at SCQF level 4, particularly in Outcomes 2 and 3 as these practical assessments should be carried out in pairs. Candidates can agree responsibilities and provide support and information to each other during the practical group activities.

Numeracy at SCQF level 4 will be enhanced through the calculation of materials and components for the assessment for Outcome 3

It could be further enhanced through the interpretation of information from 3-dimensional working drawings and the practical use of calculation and measuring scales required for teaching and learning assessments for Outcome 3.

There will be opportunities for candidates to develop the Core Skills of Communications at SCQF level 4 through the knowledge part of the assessment for Outcome 1. As candidates complete practical tasks in Outcome 2 and 3, they should be expected to communicate with others using the correct terminology, tone and style suited to the workplace while interpreting drawings.

There may be opportunities to develop ICT skills at SCQF level 3 where Centres opt to use e-assessment, e-portfolios and /or online learning materials.

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements

History of changes to Unit

Version	Description of change	Date

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