



## **National Unit Specification: general information**

**UNIT** Plastering: Plain Faced Render and Bull-nose Ashlars  
(SCQF level 6)

**CODE** F6S9 12

### **SUMMARY**

This Unit is suitable for candidates working towards a Modern Apprenticeship in Plastering and will develop the candidates understanding of plain faced render and bull-nose ashlars. This Unit is designed to provide candidates with competence in preparing backgrounds, fixing metal trims/beads, forming bellcast with timber rods, applying first coats, straightening wall areas using lime cement sand mortar, form internal and external angles, produce bull-nosed ashlars and will show the ability to apply this in the workplace. It is also designed to enable candidates to develop their understanding of plastering terminology, techniques and practices.

### **OUTCOMES**

- 1 Fix metal trims/beads and timber rods to form bellcast.
- 2 Produce a (two coat) plain faced render.
- 3 Form internal and external angles.
- 4 Produce (three coats) bull-nose ashlars.

### **RECOMMENDED ENTRY**

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

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#### **Administrative Information**

**Superclass:** TG

**Publication date:** June 2009

**Source:** Scottish Qualifications Authority

**Version:** 01

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## **National Unit Specification: general information (cont)**

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                         (SCQF level 6)

### **CREDIT VALUE**

1.5 credit at SCQF level 6 (9 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.*

### **CORE SKILLS**

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

There are opportunities in this Unit to develop aspects of the following Core Skills:

- ◆ *Working with Others* at SCQF level 4
- ◆ *Numeracy* at SCQF level 4
- ◆ *Communications* at SCQF level 4
- ◆ *Problem Solving* at SCQF level 4

## **National Unit Specification: statement of standards**

### **UNIT        Plastering: Plain Faced Render and Bull-nose Ashlars (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**

Fix metal trims/beads and timber rods to form bellcast.

##### **Performance Criteria**

- (a) Prepare backgrounds to receive metal trims and timber rods.
- (b) Measure cut and fixes metal trims/timber rods to form bellcast.
- (c) Comply with current health and safety requirements during all work methods and activities.

#### **OUTCOME 2**

Produce a (two coat) plain faced render.

##### **Performance Criteria**

- (a) Prepare background to receive lime cement sand mortar.
- (b) Apply first coat to wall area and form key.
- (c) Apply straightening coat to wall area.
- (d) Produce a float finish to given specification.
- (e) Comply with current health and safety requirements during all work methods and activities.

#### **OUTCOME 3**

Form internal and external angles.

##### **Performance Criteria**

- (a) Form internal angles to given specification.
- (b) Form external angles to given specification.
- (c) Comply with current health and safety requirements during all work methods and activities.

## **National Unit Specification: statement of standards (cont)**

**UNIT**        Plastering: Plain Faced Render and Bull-nose Ashlars  
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### **OUTCOME 5**

Produce (three coat) bull-nose ashlars.

#### **Performance Criteria**

- (a) Apply first coat to given specification.
- (b) Apply straightening coat to given specification.
- (c) Set out and mark stonework to given specification.
- (d) Form bull-nose ashlars to given specification.
- (e) Key joints accurately.
- (f) Comply with current health and safety requirements during all work methods and activities.

#### **EVIDENCE REQUIREMENTS FOR THIS UNIT**

These evidence requirements will be met by the completion of the Plastering Training and Assessment Programme (TAP).

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

Product and performance evidence is required to demonstrate that the candidate has achieved all Outcomes to the standards specified in the Performance Criteria. Candidates will be required to prepare backgrounds, fixing metal trims, forming bellcast with timber rods, applying first coats, straightening wall areas using lime cement sand mortar, form internal and external angles, and to produce bull-nosed ashlars. Candidates must demonstrate safe handling of tools and materials, an awareness of standards and tolerances and comply with workshop cleaning and maintenance and health and safety/PPE regulations.

## National Unit Specification: statement of standards (cont)

### UNIT      Plastering: Plain Faced Render and Bull-nose Ashlars (SCQF level 6)

Summary of standards (for candidate information only)	
Item	Measurement of standard
Background preparation	Checks for: plumb, suction, flatness, key Appropriate action is taken to ensure sufficient key, and suction is controlled to prevent excessive drying out of the first coat
First coat	From heavy trowel marks, minimum thickness 6mm
Key	Overall surface evenly scratched to provide a strong key – no misses
Straightening coat	Screeds straight and plumb $\pm 4$ mm Ruled in flat and straight $\pm 4$ mm
Arrises and angles	Square top, middle, bottom $\pm 4$ mm Straight and plumb $\pm 4$ mm
Surface finish	Floated/sponged to a smooth finish, even texture, free from trowel or scour marks
Wastage	Kept to a minimum
Work area	Clean at all times
Health and safety	Complies at all times

## National Unit Specification: statement of standards (cont)

### UNIT Plastering: Plain Faced Render and Bull-nose Ashlars (SCQF level 6)

Summary of standards (working towards industrial tolerances)	
Item	Measurement of standard
Background preparation	Checks for: plumb, suction, flatness, key Appropriate action is taken to ensure sufficient key, and suction is controlled to prevent excessive drying out of the first coat
Bellcast/stop-end bead/timber rod	Cut to required length $\pm 3\text{mm}$ Securely fixed to background, level/plumb $\pm 3\text{mm}$ Straight throughout its length $\pm 3\text{mm}$
First coat	Flat and free from heavy trowel marks, minimum thickness 5mm
Key	Overall surface evenly scratched to provide a strong key – no misses
Straightening coat	Forms screeds straight and plumb $\pm 3\text{mm}$ Ruled in flat and straight $\pm 3\text{mm}$
Arrises and angles	Square top, middle, bottom $\pm 3\text{mm}$ Straight and plumb $\pm 3\text{mm}$ with no damage to arris
Surface finish	Floated/sponged to a smooth finish, even texture, free from trowel or scour marks
Risk assessment	Safety boots worn at all times Safety gloves to be worn when working with EML Respiratory masks and goggles to be worn when dismantling models
Method statement	Working area kept clean at all times Materials stacked safely at all times Tools/equipment handled safely at all times Tools/equipment cleaned and stored safely at the end of each working day Waste disposal to conform with organisational requirements

## National Unit Specification: statement of standards (cont)

### UNIT Plastering: Plain Faced Render and Bull-nose Ashlars (SCQF level 6)

Summary of standards (for candidate information only)	
Item	Measurement of standard
Background preparation	Checks for: plumb, suction, flatness, key Appropriate action is taken to ensure sufficient key, and suction is controlled to prevent excessive drying out of the first coat
First coat	Flat and free from heavy trowel marks, minimum thickness 6mm
Key	Overall surface evenly scratched to provide a strong key – no misses
Straightening coat	Flat and free from heavy trowel marks, minimum thickness 6mm
Plain-faced surface finish	Floated/sponged to a smooth finish, even texture, free from trowel or scour marks Keying is consistent in depth and width
Finished beds and joints	Level, plumb and straight $\pm 3\text{mm}$
Key finish	Surface evenly scratched to provide a light key for bullnosed work – no misses
Bull-nosed surface finish	Uniform build up, fully closed in, brush finished – free from scour marks and without damage to plainfaced stonework
Wastage	Kept to a minimum
Work area	Clean at all times
Health and safety	Complies at all times

## National Unit Specification: support notes

### UNIT            Plastering: Plain Faced Render and Bull-nose Ashlars (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 60 hours.

#### GUIDANCE ON THE CONTENT AND CONTEXT FOR THIS UNIT

This Unit has been developed as a mandatory Unit in the Professional Development Award in Plastering at SCQF level 6.

The successful completion of this Unit will provide candidates with the required underpinning knowledge and skills relating to preparing backgrounds, fixing metal trims, forming bellcast with timber rods, applying first coats, straightening wall areas using lime cement sand mortar, form internal and external angles, produce bull-nosed ashlar.

The knowledge elements of this Unit will cover the following:

- ◆ Backgrounds and absorption
- ◆ Plastering materials, (cement/types of sand/sand for plastering/impurities in sand/workability)
- ◆ The use of metal trims (stop beads, bellcast beads, angle beads)
- ◆ Forming bellcast using timber rod method
- ◆ Applying straightening coats
- ◆ Forming internal and external angles
- ◆ Floating in surfaces
- ◆ Marking out stonework and forming bull-nosed ashlar
- ◆ Workshop health and safety (general health and safety and PPE)
- ◆ IT at SCQF level 3

The practical section of this Unit will cover the following:

- ◆ Preparing backgrounds (absorption/suction control)
- ◆ Cutting, fixing, and plumbing/levelling metal trims
- ◆ Cutting, fixing, and levelling timber rods
- ◆ Applying first coat sand cement lime mortar (thickness/flatness/plumb)
- ◆ Forming a mechanical key (scratching)
- ◆ Applying straightening coats
- ◆ Forming internal and external angles
- ◆ Forming bellcast
- ◆ Floating in surfaces
- ◆ Forming bull-nosed ashlar
- ◆ Safe handling of tools and materials/COSHH (control of substances hazardous to health)
- ◆ Knowledge of standards/tolerances (training and assessment programme)
- ◆ Complying with workshop cleaning and maintenance
- ◆ Complying with health and safety/PPE regulations



## **National Unit Specification: support notes (cont)**

### **UNIT           Plastering: Plain Faced Render and Bull-nose Ashlars (SCQF level 6)**

This Unit should be delivered as part of a structured programme of training and orientated to the context of the candidate's work and area of responsibility.

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 be looked at in accordance 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**

The candidate should be provided with materials, photographs/visual aids, and student handouts in a classroom environment followed by lecturer led discussions on preparing backgrounds, fixing metal trims and timber rods, applying straightening coats, forming internal angles, forming external angles and producing bull-nosed ashlar safely and correctly.

The candidate should be introduced to a workshop environment where lecturer led demonstrations of preparing backgrounds, cutting and fixing metal trims, cutting and fixing timber rods, form bellcast, applying straightening coats, floating, form internal and external angles, mark out and key stonework, form bull-nosed ashlar and to be carried out to the correct thickness, flatness and plumb/level. The candidate should follow demonstrations which should be supported by classroom notes and group discussions and by the use of Information and Communication Technology (ICT). Candidates may work in pairs to carry out the practical elements of this Unit.

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

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

#### **OPPORTUNITIES FOR CORE SKILL DEVELOPMENT**

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 efficient working practices.

## National Unit Specification: support notes (cont)

### UNIT            Plastering: Plain Faced Render and Bull-nose Ashlars (SCQF level 6)

There are opportunities for candidates to develop the Core Skill of *Working with Others* at SCQF level 4, as this practical assessment will be carried out working in pairs, as part of teaching and learning. Candidates can agree responsibilities and provide support and information to each other during the assessments. After assessment, they should be encouraged to consider how effectively they supported each other.

*Numeracy* at SCQF level 4 will be developed through following of measuring and costing exercises.

There will be opportunities for candidates to develop the Core Skill of *Communication* at SCQF level 4. As candidates complete practical tasks, they should be expected to communicate with others using the correct terminology, tone and style suited to the workplace.

### GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

Detailed assessment material for this Unit will be found in section 4 of the Plastering 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 Plastering 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.

Candidates should be given as much practise as possible prior to being set the assessment. Evidence will be gathered for all Outcomes through observation of work processes and assessment of the completed workpieces to ensure that the candidates have met the given standards and tolerances during the practical assessment. An assessor observation checklist 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 e-checklists. 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)*.

### 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 our website [www.sqa.org.uk/assessmentarrangements](http://www.sqa.org.uk/assessmentarrangements)