



National Unit Specification: general information

UNIT Plastering: Floorscreeding (SCQF level 6)

CODE F6S7 12

SUMMARY

This Unit is suitable for candidates working towards a Modern Apprenticeship in Plastering and will develop the candidates understanding of floorscreeding. This Unit is designed to provide candidates with competence in preparing sub-floor areas, transferring datum levels, forming floor screeds, forming floor screeds to a fall, laying floors areas, repairing floor areas, incorporating drain outlets and their ability to apply this in the workplace. It is also designed to enable candidates to develop their understanding of floorscreeding terminology, techniques and practices.

OUTCOMES

- 1 Demonstrate knowledge and understanding of terminology, components, techniques, and practices used in levelling floor screeds and laying floors.
- 2 Prepare sub-floor areas and transfer datum levels
- 3 Lay level floor areas using a range of methods
- 4 Lay floor area to a fall and incorporate drain outlet
- 5 Repair floor area to match existing

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.

Administrative Information

Superclass: TG

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National Unit Specification: general information (cont)

UNIT Plastering: Floorscreeding (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 the following Core Skills are highlighted in Support Notes of this Unit.

- ◆ *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: Floorscreeding (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 floor screeds and laying floors.

Performance Criteria

- (a) Identify and select different types of floors and methods of construction.
- (b) Identify and select the different types of preparations used in laying floors.
- (c) Calculate areas, perimeters, ratios, weight and cost.
- (d) Identify health and safety issues.

OUTCOME 2

Prepare sub-floor areas and transfer datum levels.

Performance Criteria

- (a) Prepare sub-floor area (clean off debris, control suction, form key).
- (b) Transfer datum level using water level or laser level before forming screeds.
- (c) Comply with current health and safety requirements during all work methods and activities.

OUTCOME 3

Lay level floor areas using a range of methods.

Performance Criteria

- (a) Form level screeds using timber battens.
- (b) Form level screeds using dot and screed method.
- (c) Lay floor area working off screeds.
- (d) Comply with current health and safety requirements during all work methods and activities.

National Unit Specification: statement of standards (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

OUTCOME 4

Lay floor areas to a fall using a range of methods incorporating drain outlet.

Performance Criteria

- (a) Form screeds to a fall using timber battens.
- (b) Form screeds to a fall using dot and screed method.
- (c) Lay floor area working off screeds.
- (d) Insert drain outlet.
- (e) Comply with current health and safety requirements during all work methods and activities.

OUTCOME 5

Repair floor area to match existing floor.

Performance Criteria

- (a) Cut back floor area until sound.
- (b) Fill in and lay floor to match existing floor.
- (c) 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.

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 of types of floors, their preparation and construction, health and safety issues and calculations of areas and materials. The instrument of assessment will be a questions paper conducted in a closed-book format.

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 floor areas, transfer datum levels, form floor screeds, form floor screeds to a fall incorporating drain outlets, lay floor areas and repair floor areas. 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/Personal Protective Equipment regulations.

National Unit Specification: statement of standards (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

Summary of standards (for candidate information only)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	$\pm 10\text{mm}$
Dots levelled (horizontally) both directions	$\pm 10\text{mm}$
Positioning of dots or battens	Correct at all times
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

Summary of standards (for candidate information only)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Preparation	Adequate for floor
Datum level transferred	$\pm 7\text{mm}$
Dots/battens levelled both directions	$\pm 7\text{mm}$
Positioning of dots/battens	Correct at all times
Setting out screeds	Correct at all times
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

National Unit Specification: statement of standards (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

Summary of standards (for candidate information only)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	±7mm
Dots levelled (both directions)	±7mm
Positioning of dots	Correct to suit given task area
Positioning of screeds	Correct to suit given task area
Screeds level	±7mm
Bays screeded level	±7mm
Surface finish	Floated – uniform in texture, free from scour marks – flat ±7mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

Summary of standards (for candidate information only)	
Item	Measurement of standard
Damaged area cleaned	Correct at all times
Edges sharp	Correct at all times
Sub-floor thoroughly cleaned	Complies at all times
Identify and mark area	Minimum 600mm x 600mm
Repair to match surrounding floor	Correct at all times
Repair level with existing floor	±4mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

National Unit Specification: statement of standards (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

Summary of standards (working towards Industrial tolerances)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	±5mm
Dots/battens levelled (both directions)	±5mm
Positioning of dots/battens	Correct to suit area
Positioning of screeds	Correct to suit area
Screeds level	±5mm
Bays screeded level	±5mm
Surface finish	Floated – uniform in texture, free from scour marks – flat ±5mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

Summary of standards (for candidate information only)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	±10mm
Dots/battens levelled (both directions)	±10mm
Positioning of dots/battens	Correct at all times
Floor fall (both directions)	±10mm
Screeds level	±7mm
Surface finish	Floated – uniform in texture, free from scour marks – flat ±5mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

National Unit Specification: statement of standards (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

Summary of standards (for candidate information only)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	±7mm
Dots/battens levelled (both directions)	±7mm
Positioning of dots/battens	Correct at all times
Floor fall (both directions)	±7mm
Screeds positioning	Correct at all times
Bays levelled (both directions)	±7mm
Surface finish	Floated – uniform in texture, free from scour marks – flat ±5mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

Summary of standards (working towards industrial tolerances)	
Item	Measurement of standard
Sub-floor thoroughly cleaned	Complies at all times
Datum level transferred	±4mm
Dots/battens levelled (both directions)	±4mm
Positioning of dots/battens	Correct at all times
Floor fall to drain (both directions)	±4mm
Screeds levelled (both directions)	±4mm
Bays filled, screeded and flush (both directions)	±4mm
Drain	Clean and flush with floor finish
Surface finish	Floated – uniform in texture, free from scour marks – flat ±4mm
Material consistency	Free from lumps and dry materials, and workable/spreadable
Working area	Clean at all times
Health and safety	Complies at all times
Wastage	Kept to a minimum

National Unit Specification: support notes

UNIT Plastering: Floorscreeding (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 sub-floor areas, transferring datum levels, forming floor screeds, forming floor screeds to a fall incorporating drain outlets, laying floors areas and repairing floor areas.

The knowledge elements of this Unit should cover the following:

- ◆ Sub floor preparation
- ◆ Transferring datum levels
- ◆ Plastering flooring materials (cement/types of sand/concrete)
- ◆ Dry and wet mixes
- ◆ Curing
- ◆ Forming screeds by timber batten method
- ◆ Forming screeds by dot and screed method
- ◆ Forming screeds to a fall
- ◆ Laying floors
- ◆ Floating in surfaces
- ◆ New techniques
- ◆ Numeracy (perimeters/areas/volume/weight/ratios/cost)
- ◆ Workshop health and safety (general health and safety and PPE)

The practical section of this Unit should cover the following:

- ◆ Sub floor preparation.
- ◆ Transferring datum levels
- ◆ Plastering flooring materials, (cement/types of sand/concrete)
- ◆ Dry and wet mixes
- ◆ Curing
- ◆ Forming screeds by timber batten method
- ◆ Forming screeds by dot and screed method
- ◆ Forming screeds to a fall
- ◆ Laying floors
- ◆ Floating in surfaces
- ◆ Workshop health and safety (general health and safety and PPE)

National Unit Specification: support notes (cont)

UNIT Plastering: Floorscreeding (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 sub-floor areas, transferring datum levels, forming floor screeds, forming floor screeds to a fall incorporating drain outlets, laying floors areas and repairing floor areas safely and correctly.

The candidate should be introduced to a workshop environment where lecturer led demonstrations of preparing sub-floor areas, transferring datum levels, forming floor screeds, forming floor screeds to a fall incorporating drain outlets, laying floors areas and repairing floor areas 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. 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

The Core Skill of *Problem Solving* at SCQF level 4 should 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.

There are opportunities for candidates to develop Core Skill of *Working with Others* at SCQF level 4, as this practical assessment will be carried out working in pairs. 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.

National Unit Specification: support notes (cont)

UNIT Plastering: Floorscreeding (SCQF level 6)

Numeracy at SCQF level 4 could be enhanced through following of measuring and costing exercises.

There will be opportunities for candidates to develop the Core Skill of Communications at SCQF level 4. Candidates will have the opportunity to develop written and/or oral communication skills for the knowledge part of the assessment for Outcome 1. 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 5 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.

The candidate's knowledge and understanding of floorscreeding will be assessed through a question paper. Candidates will be required to carry out calculations for Outcome 1.

Candidates should be given as much practise as possible in floorscreeding prior to being set the assessment. Evidence will be gathered for Outcomes 2, 3, 4 and 5 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 on our website

www.sqa.org.uk/assessmentarrangements