

National Unit Specification: general information



UNIT Wall and Floor Tiling: Craft Projects (SCQF level 6)

CODE F6P8 12

SUMMARY

This Unit is suitable for candidates undertaking a Modern Apprenticeship in Wall and Floor Tiling. The Unit requires candidates to carry out a pre-planned practical craft project. The project will include cement rendering, floor screeding, fixing wall and floor tiles and mosaic. The candidate will also be required to fix a geometric design and install proprietary tile trims and movement joints. Candidates underpinning knowledge and understanding in this Unit will be assessed through the completion of the practical projects.

OUTCOMES

- 1 Prepare backgrounds and surface areas.
- 2 Mix and apply cement render and semi-dry sand and cement screed.
- 3 Fix wall tiles, mosaic and geometric design to given specification.
- 4 Fix floor and cove tiles to given specification.
- 5 Install tile trims and movement joints to given specification.

RECOMMENDED ENTRY

While entry to this Unit is at the discretion of the centre, candidates undertaking the Professional Development Award in Wall and Floor Tiling at SCQF level 6 must meet the requirements of the Modern Apprentices, which include being employed in the relevant craft industry. It is strongly recommended that candidates have completed *Wall and Floor Tiling: Project Planning and Preparation* at SCQF level 6 before undertaking this Unit.

Administrative Information

Superclass: TG

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CREDIT VALUE

2 credits at SCQF level 6 (12 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:

- ◆ Problem Solving at SCQF level 4
- ◆ Working with Others at SCQF level 3
- ◆ Communication at SCQF level 4
- ◆ Numeracy at SCQF level 4

National Unit Specification: statement of standards

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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

Prepare backgrounds and surface areas.

Performance Criteria

- (a) Check backgrounds for plumb and free from contamination correctly.
- (b) Control background suction correctly.
- (c) Check surface for loose material and cleanliness correctly.
- (d) Dampen surface correctly.
- (e) Comply with current health and safety regulations in all activities.

OUTCOME 2

Mix and apply cement render and semi-dry sand and cement screed.

Performance Criteria

- (a) Mix and apply cement render correctly.
- (b) Finish cement render correctly.
- (c) Mix and apply semi-dry screed correctly.
- (d) Finish semi-dry screed correctly.
- (e) Comply with current health and safety regulations in all activities.

OUTCOME 3

Fix wall tiles, mosaic and geometric design to given specification.

Performance Criteria

- (a) Select and fix wall tiles correctly.
- (b) Select and fix mosaic tiles correctly.
- (c) Fix geometric design correctly.
- (d) Grout and finish completed tile work correctly.
- (e) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

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OUTCOME 4

Fix floor and cove tiles to given specification

Performance Criteria

- (a) Select tiles correctly.
- (b) Fix tiles correctly.
- (c) Grout and finish completed tile work correctly.
- (d) Comply with current health and safety regulations in all activities.

OUTCOME 5

Install tile trims and movement joints to given specification.

Performance Criteria

- (a) Select tile trim correctly.
- (b) Install tile trim correctly.
- (c) Select movement joint correctly.
- (d) Install movement joint correctly.
- (e) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

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EVIDENCE REQUIREMENTS FOR THIS UNIT

Evidence is required to demonstrate that candidates have achieved all Outcomes and Performance Criteria. All working practices must be in line with relevant and current Health and Safety legislation and regulations.

Product and performance evidence supplemented with an assessor observation checklist is required to show that the candidate has achieved all Outcomes to the standards specified in the Performance Criteria.

For Outcomes 1 and 2 candidates will be observed to show that they can check and prepare backgrounds and apply cement render and semi-dry sand and cement screed to the given specifications and standards. The completed backgrounds and surfaces must be suitable for receiving tiles.

For Outcomes 3 and 4 candidates will be required to show that they can fix tiles, mosaics and a geometric design to the required specifications and standards.

- ◆ Wall tiles and mosaic must be fixed using a proprietary adhesive
- ◆ A geometric design should be incorporated into the wall tiling and fixed in the correct location
- ◆ The floor tiles must be fixed in-situ
- ◆ Coves tiles must be fixed using proprietary adhesive

For Outcome 5 candidates will be required to show that they can install proprietary tile trims and movement joints in the correct locations.

Summary of Standards	
Item	Measurement of Standard
Background surface	Prepared and checked
Cement render	Plumb ± 3 mm over 2 m
Floor screeding	Level ± 3 mm over 2 m
Wall tiles	± 3 mm over 2 m
Floor tiles	± 3 mm over 2 m
Cove tiles	Matching at joints and intersections
Geometric Design.	Joints ± 1 mm
Tile trim	± 1 mm
Expansion joint	Full, clean
Grout	Full, uniform neat appearance
Surface finish	Thoroughly cleaned on completion
Risk assessment	Safety boots, hand protection, hard hats, hi-vis vests worn at all times
Method statement	Working area kept clean at all times. Materials and tools requisitioned and handled correctly at all times. Tools cleaned and stored safely at end of working day. Health and Safety applies at all times.

National Unit Specification: statement of standards (cont)

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In Outcomes 3 and 4 candidates can work in pairs setting out the wall and floor areas. In all other Outcomes they must work individually.

Assessment of this Unit should be carried out when the candidate has received sufficient training and is deemed ready to be assessed.

These Evidence Requirements will be met by the completion of the Training and Assessment Programme (TAP) *Wall & Floor Tiling*.

National Unit Specification: support notes

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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 80 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 Wall and Floor Tiling at SCQF level 6, which is a mandatory component of the Modern Apprenticeship in Wall and Floor Tiling.

This Unit would be offered to candidates from the construction and related services industries. 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. It should be delivered as part of a structured programme of training and orientated to the context of the candidates work and area of responsibility.

The successful completion of this Unit will provide candidates with the required underpinning knowledge and skills relating to carrying out a pre-planned practical craft project. The project will include cement rendering and floor screeding, fixing wall and floor tiles, cove tiles and mosaic. The candidate will also be required to fix a geometric design and install proprietary tile trims and movement joints.

The context of this Unit allows for a holistic integrated approach for other Units within the PDA in Wall and Floor Tiling. Therefore there are opportunities within this Unit to integrate with *Wall and Floor Tiling: Repair and Restoration*. It is strongly recommended that candidates have completed *Wall and Floor Tiling: Project Planning and Preparation* at SCQF level 6 before undertaking this Unit.

Health and Safety and Sustainability are integral and key to the Construction Industry and so 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 legislation affecting the conservation of the environment and its relevance to this trade and to the construction industry in general. Attention should also be drawn to the dangers of not implementing this legislation.

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

Learning and teaching for this Unit should be a primarily workshop based, though a recommended learning and teaching approach would be to discuss the planned Craft Project within a classroom environment prior to commencing the practical aspect of the Unit.

Candidates must complete a pre-planned Craft Project and as this Unit is wholly practically based it is important that candidates be made aware of the importance of carrying out the practical projects in the correct sequence and to the specification provided. The correct methods of preparing backgrounds and surfaces should be emphasised, with the importance of the correct methods of cement rendering and floor screeding explained in the workshop. This should ensure that the candidate acquires the underpinning knowledge required for this Unit.

National Unit Specification: support notes (cont)

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The importance of the correct methods of fixing and grouting both wall tiles and mosaic should be emphasised during the practical activities. Clear guidance should be given on the accurate measurement and setting out for the geometric design on the wall.

Floor tiles must be fixed in-situ with a clear emphasis on the correct methods of tamping the tiles into the semi-dry sand and cement mortar bed. The importance of ensuring that the coves tiles are lined through correctly must be emphasised. Candidates should be made aware of the different tile trims and movement joints available and the importance of the correct selection and installation.

It is recommended that candidates practice their skills in a workshop environment with the relative underpinning knowledge taught both in the workshop and classroom. It is recommended that candidates should complete working drawings prior to entering a workshop environment.

Candidates will be required to wear appropriate Personal Protective Equipment (PPE) whilst carrying out the practical activities, keep a clean working area and adopt safe working practices throughout all practical activities. This teaching approach should help develop the candidate's underpinning knowledge for the Unit.

In Outcomes 3 and 4 candidates can work in pairs setting out the wall and floor areas. In all other Outcomes they must work individually.

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

OPPORTUNITIES FOR CORE SKILL DEVELOPMENT

The Core Skill of *Problem Solving* could be developed to SCQF level 4 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 *Working with Others* to SCQF level 3, particularly in Outcomes 3 and 4 as the setting out may be carried out working in pairs. As part of the learning and teaching candidates can agree responsibilities and provide support and information to each other during this assessment. After assessment they should be encouraged to consider how effectively they supported each other.

Numeracy skills could be developed to SCQF level 4 through the calculation of material quantities and setting out in Outcomes 2, 3, 4 and 5.

National Unit Specification: support notes (cont)

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Candidates could have the opportunity to develop *Communication* to SCQF level 4 for the practical aspects of this Unit. 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

Centres are advised to use the Wall and Floor Tiling Training and Assessment Programme (TAP) which has been developed centrally by the SQA. Any other instruments of assessment used must be comparable to the TAP and have been through prior verification.

Section 7 of the Wall and Floor Tiling TAP provides detailed assessment material for this Unit. It is expected that candidates will be given as much practice as possible and should be deemed competent prior to being set the assessment tasks contained within the TAP.

For all Outcomes the candidates' ability to carry out a range of practical craft projects will be assessed through a series of practical tasks. An assessor observation checklist can be used to record evidence of the candidate's ability. The candidate must be provided with all the tools, materials and equipment to complete the practical tasks.

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