



National Unit Specification: general information

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors
(SCQF level 6)

CODE F6P1 12

SUMMARY

This Unit is suitable for candidates undertaking a Modern Apprenticeship in Wall and Floor Tiling and will develop the candidate's craft skills in fixing and grouting methods required for tiling using mosaic. It is also designed to develop candidates underpinning knowledge and understanding of the types of mosaic and their application, setting out methods and procedures used in fixing mosaic to wall and floors.

OUTCOMES

- 1 Demonstrate knowledge and understanding of the types of mosaic and their application, setting out methods, and procedures in relation to fixing mosaic to walls and floors.
- 2 Prepare and set out backgrounds and surfaces to receive mosaic tiles.
- 3 Tile walls with mosaic.
- 4 Tile floors with mosaic.
- 5 Grout and finish the tiled area.

RECOMMENDED ENTRY

While entry 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 recommended that candidates complete *Wall and Floor Tiling: Setting out for Tiling Applications* and *Wall and Floor Tiling: Fixing Wall Tiles using Thin Set Adhesives* before attempting this Unit.

Administrative Information

Superclass: TG

Publication date: May 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 credit 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.*

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
- ◆ Communication at SCQF level 4

National Unit Specification: statement of standards

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors (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 the types of mosaic and their application, setting out methods, and procedures in relation to fixing mosaic to walls and floors.

Performance Criteria

- (a) Describe types of mosaic and their application correctly.
- (b) Describe setting out methods correctly.
- (c) Describe fixing procedures for mosaic correctly.

OUTCOME 2

Prepare and set out backgrounds and surfaces to receive mosaic tiles.

Performance Criteria

- (a) Check backgrounds and surfaces for plumb and level correctly.
- (b) Check background and surfaces for contamination and soundness correctly.
- (c) Manufacture staff stick accurately.
- (d) Set out backgrounds and surfaces correctly.
- (e) Comply with current health and safety regulations in all activities.

OUTCOME 3

Tile walls with mosaic.

Performance Criteria

- (a) Fix mosaic to walls correctly.
- (b) Fix mosaic in the correct sequence.
- (c) Fix mosaic plumb and level.
- (c) Comply with current health and safety regulations in all activities.

OUTCOME 4

Tile floors with mosaic.

Performance Criteria

- (a) Fix mosaic to floors correctly.
- (b) Fix mosaic in the correct sequence.
- (c) Fix mosaic square.
- (d) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors
(SCQF level 6)

OUTCOME 5

Grout and finish the tiled area.

Performance Criteria

- (a) Mix grout correctly.
- (b) Apply grout correctly.
- (c) Remove grout residue correctly.
- (d) Check mosaic is free from grout holes and bloom.
- (e) Comply with current health and safety regulations in all activities.

EVIDENCE REQUIREMENTS FOR THIS UNIT

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

Outcome 1

Written and/or oral evidence is required to show that the candidate has achieved the standards specified in the Performance Criteria. Assessment of the underpinning knowledge should be carried out using short answer questions supported by annotated working drawings. Candidates are required to demonstrate knowledge of the types of mosaic their applications, setting out methods and the procedures used to fix mosaic to walls and floors. This must be carried out under open-book controlled supervised conditions.

Outcomes 2, 3, 4 and 5

Product and performance evidence supplemented with an assessor observation checklist is required to show that the candidate has achieved the standards specified in the Performance Criteria. Candidates will be observed to show that they can prepare, set out, tile and finish mosaic to walls and floors. Assessment should be conducted under controlled, supervised conditions.

National Unit Specification: statement of standards (cont)

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors (SCQF level 6)

Summary of Standards	
Item	Measurement of standard
Background surface	Checked for plumb, flat and square
Adhesive selected and mixed	Suitable for mosaic
Adhesive applied and spread	Correct notch trowel/even spread
Mosaic fixed	Fully bedded and regulated
Tolerance	±2mm over 1m
Grout	Full, uniform neat appearance
Surface finish	Thoroughly cleaned and dusted
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.

Candidates should fix a minimum area of 3.5m² of both walls and floors.

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 and Floor Tiling*.

National Unit Specification: support notes

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors (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 a mandatory Unit in the Professional Development Award (PDA) 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 types of mosaic and their applications, setting out methods and procedures used in fixing and finishing mosaic tiles to walls and floors.

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 *Wall and Floor Tiling: Repair and Restoration* and *Wall and Floor Tiling: Setting Out for Tiling Applications*.

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 combination of workshop and classroom learning. Candidates should be made aware of the different materials tools and equipment used in fixing mosaic tiles. The correct methods of preparing backgrounds and surfaces should be emphasised in the workshop. A further emphasis should be placed on the different methods used to set out and fix mosaic tiles. Candidates should be introduced to the different types of mosaic sheets, namely mesh backed and paper faced, and the different fixing methods required.

The critical importance of the correct procedures used in mosaic tiling should be emphasised during the practical activities.

National Unit Specification: support notes (cont)

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors (SCQF level 6)

It is recommended that candidates practice their skills in a workshop environment with the relative underpinning knowledge taught both in the workshop and classroom. The candidate should be given the opportunity to further develop their skills through visual aids, electronic presentations, reference books, classroom exercises and group discussions.

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

It is recommended that candidates should work in pairs to carry out setting out in Outcome 2. Candidates must work individually in all other Outcomes.

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 they 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 4 in Outcome 2 as the setting out may be carried out working in pairs. 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.

Opportunities in Outcome 1 also arise for candidates to develop the Core Skill of *Information and Communication Technology* to SCQF 3 by researching materials and their applications and the Health and Safety legislation affecting their area of work.

Numeracy skills could be developed to SCQF level 4 through the calculation of material quantities and setting out in required Outcome 3

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.

National Unit Specification: support notes

UNIT Wall and Floor Tiling: Fixing Mosaics to Walls and Floors
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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.

Sections 6 and 7 of the Wall and Floor Tiling TAP provide 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.

Outcome 1

Underpinning knowledge and understanding of the types of mosaic and their applications, setting out and fixing procedures will be assessed through the use short answer questions supported by annotated drawings. Candidates may take notes into the assessment.

Outcomes 2, 3, 4 and 5

The candidates' ability to prepare backgrounds and surfaces and the methods of setting out for mosaic will be assessed through practical tasks. An assessor observation checklist can be used to record evidence of the candidates ability to fix mosaic and grout and finish completed tile work. 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 communications 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)*.

CANDIDATES WITH DISABILITIES AND/OR ADDITIONAL SUPPORT NEEDS

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).