



National Unit specification: general information

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

Unit code: H008 12

Superclass: TG

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Version: 01

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 setting out for wall tiling including walls around obstacles and openings. Candidates will be required to set out floors for tiling using squaring, centring and grid line methods. It is also designed to develop candidates underpinning knowledge and understanding of the terminology, tools and equipment and methods used to set out walls and floors for tiling applications.

Outcomes

- 1 Demonstrate knowledge and understanding of the terminology, tools and equipment and methods used to set out walls and floors for tiling applications.
- 2 Set out for wall tiling.
- 3 Set out walls for tiling around obstacles and openings.
- 4 Set out for floor tiling.
- 5 Interpret information for setting out from drawings and sketches.

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.

General information (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

Credit points and level

1 National Unit 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

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes of this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

National Unit specification: statement of standards

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

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 terminology, tools and equipment and methods used to set out walls and floors for tiling applications.

Performance Criteria

- (a) Identify terminology used in the setting out for tiling applications.
- (b) Identify tools and equipment used in the setting out for tiling applications.
- (c) Identify methods used to set out walls and floors for tiling applications.

Outcome 2

Set out for wall tiling.

Performance Criteria

- (a) Mark datum line accurately.
- (b) Manufacture staff stick accurately.
- (c) Mark centre line accurately.
- (d) Set out wall to achieve balanced tile work correctly.
- (e) Comply with current health and safety regulations in all activities.

Outcome 3

Set out walls for tiling around obstacles and openings.

Performance Criteria

- (a) Mark datum line accurately.
- (b) Manufacture staff stick accurately.
- (c) Mark centre line accurately.
- (d) Set out wall is to achieve balanced tile work around obstacles and openings correctly.
- (e) Comply with current health and safety regulations in all activities.

National Unit specification: statement of standards (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

Outcome 4

Set out for floor tiling.

Performance Criteria

- (a) Manufacture staff stick accurately.
- (b) Mark centre line accurately.
- (c) Mark square line accurately.
- (d) Mark grid lines accurately.
- (e) Set out floor to achieve balanced tile work correctly.
- (f) Comply with current health and safety regulations in all activities.

Outcome 5

Interpret information for setting out from drawings and sketches.

Performance Criteria

- (a) Interpret information from given drawings.
- (b) Produce sketches for common tile layouts.
- (c) Interpret information from given sketches.

Evidence Requirements for this Unit

Evidence is required to demonstrate that candidates have achieved all Outcomes and Performance Criteria.

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 in Outcome 1. Assessment of the underpinning knowledge should be carried out using a closed-book question paper. This must be carried out under 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 all Outcomes to the standards specified in the Performance Criteria. Candidates will be observed to show that they can set out for wall tiling; set out walls around obstacles and openings; and set out for floor tiling. Candidates must achieve balanced tile work in both wall and floor tiling. Assessment should be conducted under controlled, supervised conditions.

National Unit specification: statement of standards (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

Summary of standards	
Item	Measurement of standard
Mark datum line	±2 mm over 2 mm
Manufacture a staff stick accurately	±1 mm
Set out walls to achieve balanced tile work correctly	Balanced even cuttings
Set out walls to achieve balanced tile work around obstacles and openings correctly	Balanced even cuttings where possible
Set out floors using centre, square and grid lines correctly	Clear defined single marks
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 requisitions and handled correctly at all times. Tools cleaned and stored safely at end of working day. Health and Safety applies at all times.

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

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

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.

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 terminology, tools and equipment and methods used to set out backgrounds and surfaces for tiling applications.

The context of this Unit allows for a holistic integrated approach into other Units within the PDA in Wall and Floor Tiling. Therefore there are opportunities to integrate this Unit into *Wall and Floor Tiling: Fixing Wall Tiles Using Thin Set Adhesives* and *Wall and Floor Tiling: Fixing Floor Tiles Using Adhesives*.

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.

National Unit specification: support notes (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

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 tools and equipment used in setting out for wall and floor tiling. The correct methods of marking datum lines should be emphasised, with the use of water level, laser level, straight edge and spirit level incorporated into the learning and teaching for this Unit. The accurate manufacture of a staff stick for setting out both wall and floors should be explained in the workshop. A further emphasis should be placed on the necessity for balanced and aesthetic tile work. The basic principles of squaring for floor tiling should be reinforced both in the workshop and classroom with a recommended emphasis on the 3, 4, 5 method of squaring. 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 whilst marking out datum, square and grid lines in Outcomes 2, 3 and 4. Candidates, however, must work individually in Outcome 1. Candidates may also use each other's sketch drawings from Outcome 5 to assess quality of interpretation and develop good working relationships.

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

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 3 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.

National Unit specification: support notes (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

Outcome 1

An appropriate method of assessing underpinning knowledge would be through the use of multiple-choice questions.

Outcomes 2, 3 and 4

The candidates' ability to set out for wall and floor tiling will be assessed through practical tasks. An assessor observation checklist can be used to record evidence of the candidate's ability to set out for wall tiling, manufacture a staff stick and set out for floor tiling. 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 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)*.

Opportunities for developing Core Skills

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 Outcomes 2, 3 and 4 if they mark datum's and square lines in pairs or groups. Outcome 5 allows good opportunities for the development of working relationships, discussion and peer assessment. 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 arise for candidates to develop the Core Skill of *Information and Communication Technology (ICT)* to SCQF level 3 by researching materials and components used and the Health and Safety legislation affecting their area of work.

Numeracy skills could be developed to SCQF level 4 through the use of Pythagoras theorem in the setting out for floor tiling.

National Unit specification: support notes (cont)

Unit title: Wall and Floor Tiling: Setting Out for Tiling Applications

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.

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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