

National Unit Specification: general information



UNIT Wall and Floor Tiling: Repair and Restoration (SCQF level 6)

CODE F6NW 12

SUMMARY

This Unit is suitable candidates undertaking a Modern Apprenticeship in Wall and Floor Tiling. The Unit will develop the candidate's craft skills in repair and restoration of wall and floor tiles in a variety of contexts. The Unit requires candidates to repair and restore cement render, sand and cement screed and proprietary products and installations. It is also designed to develop candidates underpinning knowledge and understanding of the preparation requirements, methods used and sequences of work used in relation to repairing and restoring wall and floor tiles and proprietary products.

OUTCOMES

- 1 Demonstrate knowledge and understanding of the methods and sequences of work used to remove, repair and restore tiles and proprietary products.
- 2 Repair and restore defective sand and cement and plaster substrates.
- 3 Identify, cut out and replace defective wall tiles.
- 4 Identify, cut out and replace defective floor tiles.
- 5 Repair proprietary products and installations.

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.

Administrative Information

Superclass: TG

Publication date: May 2009

Source: Scottish Qualifications Authority

Version: 01

© Scottish Qualifications Authority 2009

This publication may be reproduced in whole or in part for educational purposes provided that no profit is derived from reproduction and that, if reproduced in part, the source is acknowledged.

Additional copies of this Unit Specification can be purchased from the Scottish Qualifications Authority. Please contact the Customer Contact Centre, telephone 0845 279 1000.

National Unit Specification: general information (cont)

UNIT Wall and Floor Tiling: Repair and Restoration (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
- ◆ ICT at SCQF level 3
- ◆ Numeracy at SCQF level 3
- ◆ Communication at SCQF level 3

National Unit Specification: statement of standards

UNIT Wall and Floor Tiling: Repair and Restoration (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 methods and sequences of work used to remove, repair and restore tiles and proprietary products.

Performance Criteria

- (a) Identify preparation methods used prior to removing defective wall tiles.
- (b) Identify methods used to remove defective wall and floor tiles.
- (c) Identify sequences of work in repairing tile patterns.
- (d) Describe sequences of work used in removing defective nosing profiles and tile trims.
- (e) Describe procedures used in removing defective pre-formed and site formed movement joints.

OUTCOME 2

Repair and restore defective sand and cement and plaster substrates.

Performance Criteria

- (a) Identify and mark defective areas correctly.
- (b) Remove defective areas correctly.
- (c) Re-instate sand cement background correctly.
- (d) Re-instate plaster background correctly.
- (e) Comply with current health and safety regulations in all activities.

OUTCOME 3

Identify, cut out and replace defective wall tiles

Performance Criteria

- (a) Identify and match replacement tile correctly.
- (b) Remove defective tile correctly.
- (c) Identify and select suitable adhesive and grout.
- (d) Re-instate and grout replacement tile correctly.
- (e) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

UNIT Wall and Floor Tiling: Repair and Restoration (SCQF level 6)

OUTCOME 4

Identify, cut out and replace defective floor tiles.

Performance Criteria

- (a) Identify and match replacement tile.
- (b) Remove defective tile correctly.
- (c) Identify and select suitable adhesive and grout.
- (d) Re-instate and grout replacement tile correctly.
- (e) Comply with current health and safety regulations in all activities.

OUTCOME 5

Repair proprietary products and installations.

Performance Criteria

- (a) Identify, remove and replace defective step nosing profile correctly.
- (b) Identify, remove and replace defective tile trim correctly.
- (c) Identify, remove and replace defective pre-formed movement joint correctly.
- (d) Identify, remove and replace defective in-situ movement joint correctly.
- (e) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

UNIT Wall and Floor Tiling: Repair and Restoration (SCQF level 6)

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 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 repair and restore defective sand and cement and plaster substrates; replace defective wall and floor tiles; and repair proprietary products and installations. This must be carried out under controlled supervised conditions.

Summary of standards	
Item	Measurement of Standard
Defective material, component	Identified correctly to match existing
Removal of defective material, component	Removed safely
Reinstatement of defective material, component	
Sand and cement	Applied evenly, ± 3 mm over 1m
Plaster	Applied evenly, ± 3 mm over 1m
Wall and floor tile	Deviation not to exceed ± 1 mm in joint
Step nosing profile	Fixed accurately, no deviation
Tile trim	Plumb ± 3 mm in 2 m, level ± 3 mm in 2 m
Pre-formed movement joint	Fixed in correct location as per manufacturers instruction
Site-formed movement joints	Fixed in correct location as per manufacturers instruction
Grout	Full, uniform neat appearance
Surface finish	Thoroughly cleaned on completion
Working area	Clean at all times/existing wall tiled area cleaned
Tools and equipment	Cleaned and stored safely
Health and Safety	Complies at all times

Candidates must work individually in all Outcomes.

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: Repair and Restoration (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 materials and methods used to repair and restore wall and floor tiles, repair and restore pre-formed and site formed movement joints. Candidates will also acquire the skills and underpinning knowledge to repair and restore other proprietary products used in a wall and floor tiling context.

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 within this Unit to integrate with *Wall and Floor Tiling: Cement Rendering for Tile work*, *Wall and Floor Tiling: Floor Screeding for Tile work* and *Wall and Floor Tiling: Fixing Tiles Using Thin Set Adhesives* at SCQF level 6.

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 methods used to identify defective items and the importance of safe working practices and sequences of work, especially when cutting out defective areas. The critical importance of protecting the adjacent area and those working alongside should be stressed. The correct methods of re-instating cement mortar, plaster, tiles and defective tiling products should be taught in a workshop alongside the required underpinning knowledge. It is recommended that candidates practice their skills in a workshop environment with the relative underpinning knowledge taught both in the workshop and classroom.

National Unit Specification: support notes (cont)

UNIT Wall and Floor Tiling: Repair and Restoration (SCQF level 6)

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

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.

Opportunities also arise in Outcome 1 for candidates to develop the Core Skill of *Information and Communication Technology* to SCQF level 3 by researching materials and components used to repair and restore and the proprietary products. Health and Safety legislation affecting their area of work should also be researched.

Numeracy skills could be developed to SCQF level 3 through the calculation of material quantities required for repairing and restoring in Outcomes 2, 3 4 and 5.

Candidates could have the opportunity to develop *Communication* to SCQF level 3 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.

Sections 5 and 6 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.

National Unit Specification: support notes (cont)

UNIT Wall and Floor Tiling: Repair and Restoration (SCQF level 6)

Outcome 1

A suitable method of assessing underpinning knowledge and understanding would be through the use of multiple choice questions for PCs (a) (b) and (c) and short answer questions for PCs (d) and (e).

Outcomes 2, 3, 4 and 5

The candidate's ability to carry out these Outcomes should be assessed through practical tasks in a workshop environment. An assessor observation checklist can be used to record evidence of the candidate's ability to repair and restore cement render, sand and cement screed, plaster and proprietary products and installations. 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