

National Unit Specification: general information



UNIT Wall and Floor Tiling: Isolating Membranes and Movement Joints for Tile work (SCQF level 6)

CODE F6P3 12

SUMMARY

This Unit is suitable for candidates undertaking a Modern Apprenticeship in Wall and Floor Tiling. The Unit is designed to provide candidates with the knowledge, understanding and purpose of isolating membranes and movement joint in a wall and floor tiling context. Candidates will be required to carry out practical activities installing isolating membranes and movement joints.

OUTCOMES

- 1 Demonstrate knowledge and understanding of isolating membranes and movement joints.
- 2 Install an isolating membrane.
- 3 Install a pre-manufactured movement joint.
- 4 Install an in-situ movement joint.

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 Apprenticeship, which includes being employed in the relevant craft industry.

It is recommended that candidates complete *Wall and Floor Tiling: Floor Screeding for Tile work*, *Wall and Floor Tiling: Setting Out for Tiling Applications* and *Wall and Floor Tiling: Tiling Floors In-Situ* before attempting this Unit.

Administrative Information

Superclass: TG

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National Unit Specification: general information (cont)

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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 3

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

Demonstrate knowledge and understanding of isolating membranes and movement joints.

Performance Criteria

- (a) Explain the purpose of isolating membranes.
- (b) Explain the purpose of movement joints.
- (c) Describe how isolating membranes are installed.
- (d) Describe how pre-manufactured movement joints are installed.
- (e) Describe how in-situ movement joint are installed.

OUTCOME 2

Install an isolating membrane.

Performance Criteria

- (a) Prepare surface area correctly.
- (b) Cut isolating membrane to correct size.
- (c) Install isolating membrane correctly.
- (d) Comply with current health and safety regulations in all activities.

OUTCOME 3

Install a pre-manufactured movement joint.

Performance Criteria

- (a) Prepare surface correctly.
- (b) Set out and fix tiles correctly.
- (c) Cut pre-manufactured movement joint to correct size.
- (d) Install pre-manufactured movement joint correctly.
- (e) Grout and finish tiled area correctly.
- (f) Comply with current health and safety regulations in all activities.

National Unit Specification: statement of standards (cont)

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OUTCOME 4

Install an in-situ movement joint.

Performance Criteria

- (a) Prepare surface correctly.
- (b) Screed floor correctly.
- (c) Set out and fix tiles with margin for in-situ joint correctly.
- (d) Install back up material correctly.
- (e) Apply proprietary sealant correctly.
- (f) 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 in Outcome 1. Assessment of the underpinning knowledge should be carried out using closed-book short answer questions supported by annotated drawings. This must be carried out under controlled supervised conditions.

Outcomes 2, 3 and 4

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. These assessments must be carried out under controlled supervised conditions. Candidates will be observed to show that they can prepare surfaces, install isolating membranes and install an in-situ movement joint.

National Unit Specification: statement of standards (cont)

UNIT Wall and Floor Tiling: Isolating Membranes and Movement Joints for Tile work (SCQF level 6)

Summary of Standards	
Item	Measurement of standard
Isolating membranes	
Surface preparation	Clean and free from protruding elements
Isolating membrane	Cut and laid with minimal waste
Pre-manufactured movement joint	
Selection	Correct depth for tile ± 1 mm
Installation	Installed as per manufacturers instructions
In-situ movement joint	
Installation	Installed correctly using correct sequence
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.

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 Wall and Floor Tiling: Isolating Membranes and Movement Joints for Tile work (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.

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 install isolating membranes, pre-manufactured movement joints and in-situ 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 *Wall and Floor Tiling: Repair and Restoration*.

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 the installation of isolating membranes and movement joints.

The purpose of isolating membranes and movement joints should be emphasised whilst the candidate is carrying out practical installations and then re-enforced in classroom sessions. Candidates should be encouraged to produce annotated drawings to support their description of the installation of both isolating membranes and movement joints. The critical importance of the correct procedures used in positioning and installing both isolation membranes and movement joints should be emphasised.

The candidate should be given the opportunity to further develop their skills through visual aids, electronic presentations, reference books, classroom exercises and group discussions.

National Unit Specification: support notes (cont)

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The use of several proprietary pre-manufactured movement joints will make candidates aware of different installation methods and techniques used in industry.

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 setting out the tiled area for Outcomes 3 and 4. Candidates must work individually in all other PCs and 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 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 3 and 4 during the setting out of tiled areas. As part of 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.

Opportunities in Outcome 1 also arise for candidates to develop the Core Skill of *Information and Communication Technology* to level SCQF 3 by researching materials and components used especially the different proprietary pre-manufactured movement joints available and the Health and Safety legislation affecting their area of work.

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

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.

National Unit Specification: support notes (cont)

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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 4, 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 purpose and installation methods of isolating membranes, pre-manufactured movement joints and in-situ movement joints will be assessed through the use short answer questions supported by annotated drawings.

Outcomes 2, 3 and 4

An assessor observation checklist can be used to record evidence of the candidate's ability to install isolating membranes, pre-formed and in-situ movement joints. 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).