



National Unit specification

General information

Unit title: Roofing: Regular Sized Natural Slates with Random Widths (SCQF level 5)

Unit code: DH26 11

Superclass: TG

Publication date: April 2016

Source: Scottish Qualifications Authority

Version: 02

Unit purpose

This Unit will be suitable for learners who have prior knowledge of roofing practices. The Outcomes require the learner to set out elementary roofing projects, apply craft skills using slates and maintain a positive working relationship with members of a team whilst engaging in planning, organising, preparing and setting out a roof to be covered with slates. Learners who achieve this Unit should feel confident in undertaking basic roof slating skills and in progressing to Units based on other pitched roofing disciplines when competences gained in this Unit will be further developed and applied.

Outcomes

On successful completion of the Unit the learner will be able to:

- 1 Prepare roof surface prior to slating.
- 2 Prepare the slates prior to fixing.
- 3 Lay and fix slates to a pitch roof surface.

Credit points and level

1 National Unit credit at SCQF level 5: (6 SCQF credit points at SCQF level 5)

Recommended entry to the Unit

Access to this Unit is at the discretion of the centre. It would be beneficial if the learner had completed the Units *Single Lap Roof Tiling: An Introduction* and *Plain Roof Tiling: An Introduction*, presented at SCQF level 4 and SCQF level 5, respectively.

National Unit specification: General information (cont)

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Core Skills

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

Achievement of this Unit gives automatic certification of the following Core Skills component:

Complete Core Skill	None
Core Skill component	Critical Thinking at SCQF level 5 Planning and Organising at SCQF level 5

Context for delivery

If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Equality and inclusion

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

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 roof surface prior to slating.

Performance Criteria

- (a) Underlay is fixed to the roof surface correctly.
- (b) The roof surface is coursed out correctly for regular sized slates with random widths.

Outcome 2

Prepare the slates prior to fixing.

Performance Criteria

- (a) Grade and dress natural slates as required.
- (b) Select suitable slates for undereaves course.

Outcome 3

Lay and fix slates to a pitch roof surface.

Performance Criteria

- (a) Run out double eaves course correctly.
- (b) Fix slates to previously struck gauges correctly.
- (c) Cut and fix toppers course correctly.

Evidence Requirements for this Unit

Learners must adhere to relevant Health and Safety regulations and legislation relating both to working practices within the construction environment, as well as those specific to any practical task they are requested to carry out (such as emphasising the importance of selecting and using the correct PPE at all times).

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

National Unit specification: Statement of standards (cont)

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Outcome 1

Evidence of actual performance is required to show the learner can prepare a pitched roof surface and course out the roof prior to fixing natural slates.

Evidence of the correct preparation techniques of a roof surface prior to slating is required to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit.

Outcome 2

Evidence of actual performance is required to show the learner can grade and dress natural slates and select an appropriate undereaves prior to fixing natural slates to a pitched roof surface.

Evidence of the correct techniques to grade and dress natural slates and the selection process of undereaves is required to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit.

Outcome 3

Evidence of actual performance is required to show the learner lay and fix slates to a pitched roof surface is required to test underpinning knowledge and understanding and will be gained in a holistic assessment covering the Unit



National Unit Support Notes

Unit title: Roofing: Regular Sized Natural Slates with Random Widths (SCQF level 5)

Unit Support Notes are offered as guidance and 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 is designed to introduce the learners to skills associated with Introductory roofing, in particular regular sized natural slates with random widths. It includes planning, organising, setting out and completing introductory projects of roof slating. The learners will normally work as part of a team in order to complete the project. Effective participation with others forms an important aspect of this Unit.

Prescriptive practical models are not outlined within the Unit specification in order to allow centres to develop projects suitable to their particular situation.

It is expected that learners will have limited experience of roof work prior to this Unit.

Outcome 1

This Outcome requires the learner to prepare a roof surface prior to slating, while working in an organised and safe manner.

The teacher/lecturer should take the opportunity to explain possible defects and demonstrate the following:

- ◆ Checking sarking boards (or equivalent) for defects and making all necessary repairs.
- ◆ Removing all protruding nails.

Assessable activities

- (a) Covering the roof surface with roofing felt (or other simulated material) to stated tolerances.
- (b) Coursing out the roof correctly and striking head lines.

All the above activities should be in compliance with current health and safety regulations.

National Unit Support Notes (cont)

Unit title: Roofing: Regular Sized Natural Slates with Random Widths (SCQF level 5)

Outcome 2

This Outcome requires the learners to prepare natural slates prior to fixing them to a pitched roof surface, while working in an organised and safe manner.

The activities involved should include:

- (a) Grading and dressing natural slates as required.
- (b) Selecting a suitable undereave.

All the above activities should be in compliance with current health and safety regulations.

Outcome 3

This Outcome requires the learner to lay and fix natural slates to a pitched roof surface, while working in an organised and safe manner.

The activities involved should include:

- (a) Running out the double eaves course
- (b) Fixing slates to previously struck gauges
- (c) Cutting and fixing topper course

All the above activities should be in compliance with current health and safety regulations.

Guidance on approaches to delivery of this Unit

Outcomes 1, 2 and 3 are practical activities and as such form the basis of the practical project, which should be completed on a simulated roof structure, of such a size to allow realistic approaches to natural roof slating. It is recommended that the learners should be encouraged to work in pairs or small groups in order to simulate a 'real' roofing project. The project will be deemed to be completed by the learners when the appropriate standards are achieved. As these Outcomes are of a practical nature appropriate safe working practices should be encouraged and the relevant health and safety regulations must be complied with at all times in order to achieve the standards required to achieve the Outcomes.

Guidance on approaches to assessment of this Unit

Centres may use the method of assessment which they consider to be most appropriate but are encouraged to use the Training Assessment Programme (TAP) developed centrally by SQA. It is expected that learners will have to demonstrate current knowledge and understanding of safe working practice and risk assessment methods, etc prior to being set the assessment tasks.

Knowledge and Understanding of the processes involved in *Roofing: Regular Sized Natural Slates with Random Widths (SCQF level 5)* should be assessed before any practical assignments are carried out by learners. This will include assessment of a learner's ability to prepare the work area for laying modular pavement.

National Unit Support Notes (cont)

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Practical assignments should be carried out under supervised conditions and recorded in an assessor observation/operational checklist. Assessments should confirm that a learner has the ability to safely lay modular pavement using designated machinery or equipment correctly and safely, whilst adhering to current statutory Health and Safety regulations and legislation.

Adherence to current statutory working regulations and Health and Safety procedures will be observed during the practical exercise carried out by the learner towards all Outcomes.

Detailed assessment material for this Unit will be found in the relevant Training and Assessment Programme (TAP). Centres may use the instruments of assessment which they consider to be most appropriate but are advised to use the TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been prior verified.

Opportunities for 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 learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at www.sqa.org.uk/e-assessment.

Opportunities for developing Core and other essential skills

The elements of the Core Skill of *Problem Solving*, such as Planning and Organising and Critical Thinking will be developed and enhanced as learners undertake the Unit. Learners 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.

There are opportunities to develop co-operative working skills, where learners agree responsibilities and provide support and information to others during assessment. Opportunities also arise to develop the Core Skill of *Information and Communication Technology (ICT)* by researching Health and Safety legislation affecting their area of work.

Numeracy skills will be naturally enhanced through the interpretation of information from 3 dimensional working drawings and the practical use of calculation and measuring scales. Although *Communication* skills are not formally assessed, learners will have the opportunity to develop Written and/or Oral Communication skills

This Unit has the Critical Thinking and Planning and Organising components of Problem Solving embedded in it. This means that when learners achieve the Unit, their Core Skills profile will also be updated to show they have achieved Critical Thinking at SCQF level 5 and Planning and Organising at SCQF level 5.

History of changes to Unit

Version	Description of change	Date
02	Clarification of Standards and updated to new Unit Specification Standard. Core Skills Components Critical Thinking and Planning and Organising at SCQF level 5 embedded.	29/04/16

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General information for learners

Unit title: Roofing: Regular Sized Natural Slates with Random Widths (SCQF level 5)

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit is designed to introduce you to skills required by craft persons working in the construction industry as roofing slaters and tilers. The Unit will focus on using a basic range of tools, materials, and equipment common to domestic properties and developing skills to fix and secure natural slates.

You will also be provided with the knowledge to allow you to appreciate the reasons for carrying out the practical work in the manner directed and the reasons for using specific tools, materials, components and equipment.

Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safety working practices will be looked at in accordance with current safety codes of practice and regulations.

There will be a series of training exercises followed by some practical task based assessment and multi choice knowledge assessment. Completion of the Unit will provide you with the basic skills necessary to enable you to progress to more complex aspects of roof slating and tiling which in turn will further develop your skills and knowledge.

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There are opportunities to develop co-operative working skills, where you will agree responsibilities and provide support and information to others during assessment.

Opportunities also arise to develop the Core Skill of *Information and Communication Technology (ICT)* by researching Health and Safety legislation affecting your area of work.

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