



National Unit specification

General information

Unit title: Single Lap Roofing Skills (SCQF level 5)

Unit code: DH24 11

Superclass: TG

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Version: 02

Unit purpose

This Unit will be suitable for learners who have limited knowledge of roofing practices. The Outcomes require the learner to set out elementary roofing projects, apply craft skills using single lap roofing materials 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 single lap tiles. Learners who achieve this Unit should feel confident in undertaking basic roof tiling 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 a roof surface prior to tiling.
- 2 Lay and fix single lap tiles to a pitched roof surface.
- 3 Form a wet verge and bed ridge tiles.

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 an aptitude for craft skills and had completed the Introductory Unit at Intermediate 1 level.

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.

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

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 a roof surface prior to tiling.

Performance Criteria

- (a) Underlay is fixed to the roof surface correctly.
- (b) Counter battens and tile battens are fixed correctly.
- (c) Gauge for tiling determined correctly.
- (d) Tile battens are fixed to gauge correctly.
- (e) Tile battens are cut to overhang of verge correctly.

Outcome 2

Lay and fix single lap tiles to a pitched roof surface.

Performance Criteria

- (a) The eaves course is fixed to the roof surface correctly.
- (b) The main roof surface is tiled correctly.

Outcome 3

Form a wet verge and bed ridge tiles.

Performance Criteria

- (a) Position underclock correctly.
- (b) Bed and point single lap tiles to verge correctly.
- (c) Bed and point ridge tiles correctly.

National Unit specification: Statement of standards (cont)

Unit title: Single Lap Roofing Skills (SCQF level 5)

Evidence Requirements for this Unit

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

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).

Outcome 1

Evidence of actual performance is required to show the learner can prepare a pitched roof surface prior to fixing single lap tiles.

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

Outcome 2

Evidence of actual performance is required to show the learner can fix single lap tiles to a pitched roof.

Evidence of the correct laying and fixing techniques of single lap tiles to a pitched roof surface is required to test underpinning knowledge and understanding and will be gained in the holistic assessment covering the Unit.

Outcome 3

Evidence of actual performance is required to show the learner can lay and fix single lap tiles including wet verge and ridge tiles to a pitched roof.

Evidence of the correct bedding and pointing techniques of single lap tiles to a pitched roof surface is required to test underpinning knowledge and understanding and will be gained in the holistic assessment covering the Unit.



National Unit Support Notes

Unit title: Single Lap Roofing Skills (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 single lap roofing. It includes planning, organising, setting out and completing introductory projects of single lap tiles. 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 little experience of roof work prior to this Unit.

Outcome 1

This Outcome requires the learner to prepare a roof surface prior to, and including fixing single lap tiles, 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 and clean down roof surface.

Assessable activities

- (a) Covering the roof surface with roofing felt (or other simulated material) to stated tolerances.
- (b) Fixing counter battens and tile battens to the roof surface in accordance with good practice.

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

National Unit Support Notes (cont)

Unit title: Single Lap Roofing Skills (SCQF level 5)

Outcome 2

This Outcome requires the learner to fix single lap tiles to a pitched roof surface, while working in an organised and safe manner.

The activities involved should include:

- (a) Fixing single lap tiles to a pitched roof surface.

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

Outcome 3

This Outcome requires the learners to bed and fix single lap tiles to verge and bed and fix ridge tiles at apex, while working in an organised and safe manner.

The activities involved should include:

- (a) Bedding and pointing verge tiles to fixed undercloak.
- (b) Bedding and pointing ridge tiles.

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 projects, which should be completed on a simulated roof structure, of such a size to allow realistic approaches to single lap tiling. It is recommended that the learners should be encouraged to work in pairs in order to simulate a 'real' roofing project. The projects 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 *Single Lap Roofing Skills (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)

Unit title: Single Lap Roofing Skills (SCQF level 5)

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

There are opportunities to develop aspects of the Core Skill of *Problem Solving*. 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. *Numeracy* skills at SCQF level 4 could be developed through roofing calculations for area and material estimating.

Opportunities also arise for learners to develop the Core Skill of *Information and Communication Technology (ICT)* at SCQF level 3 through researching roofing terminology and techniques on the internet, spread sheets for materials information, e-learning and e-assessment.

History of changes to Unit

Version	Description of change	Date
02	Clarification of Standards and updated to new Unit Specification Standard.	29/04/16

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General information for learners

Unit title: Single Lap Roofing Skills (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 roofers. The Unit will focus on basic skills and associated tasks involved in the application of plaster. Little or no experience is required of working with the range of tools, materials 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 Plasterwork which in turn will further develop your skills and knowledge.

The Core Skill of *Problem Solving* could be developed as you undertake this Unit. You 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.

Numeracy at SCQF level 4 could be developed through measuring and costing exercises.

There will be opportunities for you to develop the Core Skill of *Communication* at SCQF level 4 as you will have the opportunity to develop Written and/or Oral Communication skills.