



All qualifications and part qualifications registered on the National Qualifications Framework are public property. Thus the only payment that can be made for them is for service and reproduction. It is illegal to sell this material for profit. If the material is reproduced or quoted, the South African Qualifications Authority (SAQA) should be acknowledged as the source.

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:**

Clad roof structures

SAQA US ID	UNIT STANDARD TITLE			
14674	Clad roof structures			
ORIGINATOR				
SGB Building Construction				
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY				
-				
FIELD			SUBFIELD	
Field 12 - Physical Planning and Construction			Building Construction	
ABET BAND	UNIT STANDARD TYPE	PRE-2009 NQF LEVEL	NQF LEVEL	CREDITS
Undefined	Regular	Level 3	NQF Level 03	16
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2015-07-01	2018-06-30	SAQA 10105/14
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2019-06-30		2022-06-30		

In all of the tables in this document, both the pre-2009 NQF Level and the NQF Level is shown. In the text (purpose statements, qualification rules, etc), any references to NQF Levels are to the pre-2009 levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

Learners who are assessed as competent against this unit standard will be able to clad a roof structure in accordance with roof plan drawing specifications ensuring all work is carried out in accordance with National Building Regulations. Occupational Health and Safety legislation and within prescribed timeframes.

This competence complements the other carpentry competencies and contributes to the development of a professional community of Carpentry practitioners, who are able to use Science and Technology responsibly and cost-effectively. It should result in improved quality and service delivery in Carpentry. The contribution to The National Skills Development Strategy is the key developmental interface between learners and new competencies to be achieved.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

FETC NQF Level 2 Literacy and Numeracy competencies.

- Use drawings and identify and use tools, equipment and materials for construction carpentry site practice.
- Set out and prepare construction carpentry work areas.
- Erect, use and dismantle access equipment.

UNIT STANDARD RANGE

The typical scope of this unit standard is:

- The learner is required to demonstrate competence in cladding roofs with concrete and clay tiles, slate tiles, corrugated galvanised sheeting and corrugated fibre cement sheeting.
- Range of finishing components: ridge capping, ridge tiles, valley gutters, fascia boards, barge boards.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Read and interpret roof plan drawings

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Dimensions are accurately interpreted from drawings and applied i.e. spacing of roof trusses, battens and purlins.

SPECIFIC OUTCOME 2

Prepare the work area and select, use and maintain tools, equipment and materials

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Tools, machines and equipment are identified and correctly used.

ASSESSMENT CRITERION 2

2. Tools and equipment are functional.

ASSESSMENT CRITERION 3

3. Safety precautions are adhered to.

ASSESSMENT CRITERION 4

4. All work is completed within allocated time frames.

SPECIFIC OUTCOME 3

Erect and dismantle scaffolding

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Scaffolding is erected and dismantled in accordance with specified methods.

ASSESSMENT CRITERION 2

2. Safety precautions are adhered to.

ASSESSMENT CRITERION 3

3. All work is completed within allocated time frames.

SPECIFIC OUTCOME 4

Set out, position and install battens or purlins

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Roof member components are securely fixed.

ASSESSMENT CRITERION 2

2. Safety precautions are adhered to.

ASSESSMENT CRITERION 3

3. All work is completed within allocated time frames.

SPECIFIC OUTCOME 5

Set out and clad roof structures

OUTCOME RANGE

Concrete and clay tiles, slate tiles, corrugated galvanised sheeting, corrugated fibre cement sheeting.

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

1. Valley gutters fitted are suitable for the type of cladding used.

ASSESSMENT CRITERION 2

2. Roof is covered with specified materials.

ASSESSMENT CRITERION 3

3. Roof cladding material is cut and finished in accordance with specified requirements.

ASSESSMENT CRITERION 4

4. Bedding mortar is finished off and excess mortar removed.

ASSESSMENT CRITERION 5

5. Tiles are cleaned.

ASSESSMENT CRITERION 6

6. Eave and verges overhang conform to specified dimensions.

ASSESSMENT CRITERION 7

7. Safety precautions are adhered to.

ASSESSMENT CRITERION 8

8. All work is completed within allocated time frames.

SPECIFIC OUTCOME 6

Set out, position and install finishing components

OUTCOME RANGE

Ridge capping, ridge tiles, valley gutters, fascia boards, barge

ASSESSMENT CRITERIA**ASSESSMENT CRITERION 1**

1. Ridging materials are securely fixed.

ASSESSMENT CRITERION 2

2. Barge and fascia boards are in line and level.

ASSESSMENT CRITERION 3

3. Work area is cleaned.

ASSESSMENT CRITERION 4

4. Safety precautions are adhered to.

ASSESSMENT CRITERION 5

5. All work is completed within allocated time frames.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

- Anyone assessing a learner or moderating the assessment of a learner against this unit standard must be registered as an assessor with the CETA - ETQA, for "The National Certificate in Construction Carpentry".
- Any institution offering learning that will enable the achievement of this unit standard must be accredited as a provider with the CETA - ETQA.
- CETA - ETQA is responsible for moderation of learner achievements of learners who meet the requirements of this qualification.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

- Techniques for interpreting dimensions specified in roof plan drawings.
- Tools, equipment and materials applicable to the context of this unit standard.
- Methods for erecting and dismantling scaffolding.
- Different timber sizes for purlins and battens.
- Techniques for positioning and securing battens and purlins.
- Techniques for cladding different components of a roof structure i.e. Hip tiles, fly hip, valley purlins/battens, ridge board, ridge capping.
- Techniques for cutting roof cladding material.
- Types of mortar and application methods.
- Occupational Health and Safety legislation applicable to the context of this unit standard.
- National Building Regulations applicable to the context of this unit standard.

Critical Cross-field Outcomes (CCFO):**UNIT STANDARD CCFO IDENTIFYING**

Identify and solve problems and make decisions using critical and creative thinking.

- Identify the specified roof cladding materials and determine the appropriate component sizes.

UNIT STANDARD CCFO ORGANISING

Organise and manage themselves and their activities responsibly and effectively.

- Maintain tools and equipment in good working order to ensure that the cladding of roof structures is carried out effectively and the cost to company for the frequent replacement of tools and equipment is minimised.
- Maintain a neat, clean and tidy work area.
- Plan work so that roof trusses are erected within the specified deadlines.

UNIT STANDARD CCFO COLLECTING

Collect, analyse, organise and critically evaluate information.

- Drawing specifications: Area to be tiled, batten specifications, type of concrete tile to be used, tile headlaps, ridge tile overlaps, roof and gutter overhangs.
- Accurate interpretation of drawing specifications: Area to be clad with corrugated iron sheeting, spacing of purlins, fitting of fly hip and valley purlins, fitting of valley gutters, side laps of cladding overhang at gutters, roof overhang, roofing screws to be used, fitting of ridge capping.

UNIT STANDARD CCFO COMMUNICATING

Communicate effectively using visual, symbolic, and/or language skills in various modes.

- Confirm your understanding of all requirements specified for the cladding of roof structures with the engineer/client before commencing with the work at hand so as to minimise future delays that might be caused because this work has to be redone.
- Communicate in a clear and audible manner when issuing instructions to team members so that all verbal instructions are clearly understood and can be carried out as required.

UNIT STANDARD CCFO SCIENCE

Use science and technology effectively and critically, showing responsibility towards the environments and the health of others.

- Check the safety and security of scaffolding at the beginning of each new work day to minimise accident or injury to yourself and other team members.

UNIT STANDARD CCFO DEMONSTRATING

Demonstrate an understanding of the world as a set of related systems, by recognising that problem solving contexts do not exist in isolation.

- Ensure that materials, tools and equipment used to clad roof structures is safely and securely stored and protected on the building site to minimise the risk of theft, accident or injury to site personnel or visitors to the building site.
- The accurate interpretation of engineer/architect`s concept and the completion of work within specified time frames results in ongoing business opportunities for the organisation.

UNIT STANDARD CCFO CONTRIBUTING

Reflecting on and exploring a variety of strategies to learn more effectively.

- Assess the work that you have completed to identify areas that can be improved on when cladding roof structures in the future.

REREGISTRATION HISTORY

As per the SAQA Board decision/s at that time, this unit standard was Reregistered in 2012; 2015.

UNIT STANDARD NOTES

Supplementary information:

Special clips for securing tiles must also be used if this is a pre-requisite in that part of the country where the learner is cladding roofs.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	PRE-2009 NQF LEVEL	NQF LEVEL	STATUS	END DATE	PRIMARY OR DELEGATED QA FUNCTIONARY
Core	22670	National Certificate: Construction Carpentry	Level 3	NQF Level 03	Passed the End Date - Status was "Reregistered"	2009-03-12	Was CETA until Last Date for Achievement
Elective	65409	National Certificate: Building and Civil Construction	Level 3	NQF Level 03	Reregistered	2018-06-30	CETA

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Primary or Delegated Quality Assurance Functionaries have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Primary or Delegated Quality Assurance Functionary should be notified if a record appears to be missing from here.

1. Bokgoni Training And Development
2. BOLAND COLLEGE (Paarl)
3. Centre For Economic Participation
4. Gert Sibande College
5. Goitsebasadi Construction Project
6. In Touch Comm Develop &
7. Lanecol Investments (Pty) Ltd
8. Leps Training Consultants
9. Maduna Development Agency cc
10. Mthoms Trading

11. Nomasojabula Training Centre
12. Primeserv Corporate Solutions (Pty) Ltd
13. Protech Training cc
14. St Anthony's Education Centre
15. Training Force (Pty) Ltd
16. TSK Projects

All qualifications and part qualifications registered on the National Qualifications Framework are public property. Thus the only payment that can be made for them is for service and reproduction. It is illegal to sell this material for profit. If the material is reproduced or quoted, the South African Qualifications Authority (SAQA) should be acknowledged as the source.