

Domain	BRICKLAYING	Unit ID: 15
Title:	Use plastering and concreting hand tools	
Level: 2		Credits: 2

Purpose

This unit standard specifies the competencies required to select and use plastering and concreting hand tools for the completion of general plastering and concreting tasks in bricklaying operations. It includes the identification, selection, use and cleaning of hand tools used in general plastering and concreting work. This unit standard is intended for those who work as bricklayers and plasterers.

Special Notes

1. Entry information

Prerequisite:

 - Unit 3 - *Apply safety rules and regulations in bricklaying operations* or demonstrated equivalent knowledge and skills.
2. To demonstrate competence, at a minimum, requires evidence of the use of eight different hand tools in undertaking general plastering and concreting tasks. Perform these tasks ensuring correct identification of requirements and finishing of the tasks, correct selection and use of appropriate processes, tools and equipment and completing all work to specification.
3. Hand tools are to include but not be limited to setting out, marking out and levelling tools, digging, transporting, clamping tools, cutting, shaping, fixing, fastening compacting tools, material shifting, holding tools and finishing tools. Evidence of the use of eight different hand tools is required for assessment purposes.
4. Assessment evidence may be collected from a real workplace or simulated real workplace or an appropriate simulated realistic environment in which bricklaying tasks are carried out.
5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' guidelines and instructions.
6. '*Specifications*' refers to any, or all of the following: manufacturers' specifications and/or recommendations, site and/or workplace specific requirements.
7. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act No 6, 1992
 - Occupational Health and Safety Regulations No.18, 1997
 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia

Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirement and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on www.nta.com.na

Elements and Performance Criteria

Element 1: Plan and prepare for work

Range

Planning and preparation is to include but is not limited to worksite inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

Performance Criteria

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained, confirmed and applied.
- 1.2 Safety requirements are followed in accordance with safety plans and policies.
- 1.3 Sign and barricade requirements are identified and implemented.
- 1.4 Plant, tools and equipment selected to carry out tasks that are consistent with the requirements of the job, checked for serviceability and any faults are rectified or reported prior to commencement.
- 1.5 Material quantity requirements are calculated in accordance with plans and/or specifications.
- 1.6 Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use.
- 1.7 Environmental protection requirements for the project are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Identify, select and use hand tools

Performance Criteria

- 2.1 Types and functions of hand tools to be used in plastering and concreting work are identified.
- 2.2 The methods of operation of hand tools are identified from specifications, standards and manufacturers' instructions.
- 2.3 Specific safety requirements for specific hand tools are identified and applied.
- 2.4 Personal protective equipment required for the operation of the tools is identified in accordance with regulatory and workplace requirements.
- 2.5 Tools are used safely and effectively according to the manufacturers' recommendations and regulatory requirements.

2.6 Tools are safely located when not in use.

Element 3: Identify, select and use hand tools

Performance Criteria

- 3.1 Hand tools, their functions, operations and limitations are identified and selected.
- 3.2 Safety requirements for using hand tools are recognized and adhered to.
- 3.3 Hand tools are selected consistent with job requirements.
- 3.4 Hand tools are checked for serviceability and safety and any faults reported.
- 3.5 Hand tools used are appropriate to the task, the materials and are in accordance with safety requirements.

Element 4: Clean up

Performance Criteria

- 4.1 Work area is cleared and materials disposed of, reused or recycled in accordance with relevant legislation, regulations and job specification.
- 4.2 Hand tools are cleaned, checked, maintained and stored in accordance with manufacturers' recommendations and standard work practices.

Registration Data

Subfield:	General Construction
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