

	Unit ID: 5
Domain	BRICKLAYING
Title:	Use brick and block laying hand tools
Level: 1	Credits: 2

Purpose

This unit standard specifies the competencies required to safely and effectively use hand tools in general brick and block-laying tasks. It includes the identification, selection, use and cleaning of hand tools used in brick and block 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, evidence is required of the ability to use eight different hand tools in undertaking a range of brick/block laying 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. Assessment evidence may be collected from a real workplace or simulated real workplace or an appropriate simulated realistic environment in which bricklaying operations are carried out.
4. Hand tool processes are to include, but are not limited to, setting out, marking and levelling, cutting and shaping of material; placing and finishing mortar products and material shifting and holding.
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 recommendations, site and 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 requirements 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.

Hand tools are to include measuring tape/rules, trowels, brushes, screed boards, hammers (club, scutch), bolsters, wheelbarrows, spirit levels, trowels, jointing tools, mortar boards, straight edges, profiles, line blocks, line pins, builders lines, brooms, hoses, shovels and rakes.

Evidence of the use of eight different tools is required for assessment purposes.

Materials for brick/blocking may include bricks, masonry blocks, aggregates, cement, lime, waterproofing materials.

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 are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Identify, select and use bricklaying hand tools

Performance Criteria

- 2.1 Types and functions of hand tools to be used in the bricklaying and blocklaying 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 particular 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 manufacturers' recommendations and regulatory requirements.
- 2.6 Tools are stored safely when not in use.

Element 3: Clean up

Performance Criteria

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

Registration Data

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