

Domain
Title:
Level: 3

CARPENTRY
Perform glazing

Unit ID: 1594

Credits: 4

Purpose

This unit standard specifies the competencies required to perform glazing. It includes identifying work requirements, preparing for work, performing glazing and completing work and cleaning up the work area.

This unit standard is intended for those who work as carpenters.

Special Notes

1. Entry information:

Prerequisite:

- *1157-Demonstrate basic knowledge of workplace health and safety or demonstrated equivalent knowledge and skills.*

2. This unit standard is to be delivered and assessed in the context of carpentry operations and should be assessed in conjunction with other relevant technical unit standards selected from this domain.

3. To demonstrate competence, evidence is required for performing glazing tasks. Glazing may include:

- transparent glass - drawn sheet, float sheet
- translucent – comprising patterned, frosted and rough cast
- Special – toughened laminated, antique, non-reflection, solar control and wired glass.

4. Assessment evidence may be collected from a real workplace, or simulated real workplace in which carpentry operations are carried out.

5. Glossary of terms:

'Glazing' - The glass part of the window to fit it into the frame.

6. Glazing and re-glazing involves the installation of glasses to metal and timber doors, windows, furniture and frames.

7. Tools, equipment and accessories may include but are not limited to tungsten wheel glass cutters, speed cutters, cutting lubricants, running pliers, straight edges and squares, tape measures, glass handling and lifting equipment, hack out knives, chisels, putty knives, nail and diamond guns, vinyl cutters and rollers, pry bars, sealant guns, blade, screw drivers, pop rivet guns, electric and pneumatic drills, rubber mallets, hammers and punches.

8. Materials and fixatives may include but are not limited to annealed glass, toughened glass, laminated glass, wired glass, tinted and heat reflective glass, coated glass, insulated glass units, plastic, aluminium, steel, solid timber, gaskets, sealants, adhesives, glazing tapes and setting blocks.
9. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.
10. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act, No. 11, 2007 as amended;
 - 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 on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Identify work requirements

Performance criteria

- 1.1 Work requirements, including the type of glass and the method of fixing are identified from work instructions.
- 1.2 Workplace health and safety requirements for glazing and re-glazing of windows and doors, including personal protection needs, are observed throughout the work.
- 1.3 The process for fitting glass to window and door frame is identified in line with workplace procedures.

Element 2: Prepare for work

Range

Preparation to include but not limited to worksite inspection, equipment and materials defects identification, assessment of conditions and hazards and determination of work requirements.

Performance criteria

- 2.1 Work sequence is planned in a logical order to suit the job.

- 2.2 Tools, equipment and materials are selected and checked prior to use, to ensure that they are appropriate for the work, serviceable and in a safe condition.
- 2.3 Types of glass and applications are identified and explained.
- 2.4 Glass is checked for type, size and imperfections.
- 2.5 Glass fixing method is selected according to specifications.
- 2.6 Frame conditions are assessed to ensure suitability for glazing.
- 2.7 Defective frames are reported for repair or replacement in accordance with workplace procedures.
- 2.8 Fixing and sealing materials are prepared to specifications.

Element 3: Perform glazing

Performance criteria

- 3.1 Methods of glazing are identified and explained.
- 3.2 Glass is fixed to the frame using the selected method and in line with workplace procedures.
- 3.3 Solvents and sealants are used in line with manufacturers' recommendations.
- 3.4 Excess sealant materials are removed in line with workplace procedures.
- 3.5 Glass and frame are cleaned after fixing in line with workplace procedures.

Element 4: Complete work and clean up

Performance Criteria

- 4.1 Work is completed and appropriate personnel notified in accordance with workplace procedures.
- 4.2 Work area is cleared of waste, cleaned, restored and secured in accordance with workplace procedures.
- 4.3 Reusable and recyclable materials are collected and stored in accordance with workplace procedures.
- 4.4 Tools and equipment are cleaned, checked and maintained in accordance with workplace procedures.
- 4.5 Work completion details are finalised in accordance with workplace procedures.

Registration Data

Subfield:	General Construction
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