

Domain

JOINERY AND CABINET MAKING

Title:

Perform advanced wood surface finishing processes

Level: 2

Credits: 4

Purpose

This unit standard specifies the competencies required to perform advanced wood surface finishing processes. This includes selecting surface finishing methods, materials and tools, filling cracks and holes, sanding a surface, applying surface finishing using spraying method, and applying stain and bleach.

This unit standard is intended for those who work as joiners and cabinet makers.

Special Notes

1. Entry information:

Prerequisite:

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

2. To demonstrate competence, at a minimum, evidence is required of selecting and applying the appropriate surface finishing process using spraying method on products.

3. Finishing methods includes but is not limited to spraying. Filling of holes and cracks, sanding, apply wax, -oil, -stain, -paint and vanish.

4. Tools and equipment may include but are not limited to, sanding-cork and blocks, scraper, belt sander, orbital sander, disc sander, edge sander, glue gun, portable sanding machines, compressor, spray gun and accessories, and sand paper.

5. Materials may include but are not limited to varnish, lacquer, sanding sealer, paint, thinner, hardener, abrasive paper, filler, wax stick, shellac stick, cellulose filler, wax, polish and stain.

6. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.

7. 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.

8. Regulations and legislation relevant to this unit standard include the following:

- Labour Act No 11, 2007 as amended;
- SABS 0400, NOSA, Local Authorities Act;
- 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: Select surface finishing methods, materials and tools

Range

Factors to include but not limited to cracks, dents and grain are considered for selecting surface finishing methods.

Performance criteria

- 1.1 Hazards are identified and explained.
- 1.2 Factors are considered in the selection of surface finishing method and materials.
- 1.3 Surface finishing methods are explained.
- 1.4 Sanding materials (coarse and fine) are selected.
- 1.5 Tools and materials are identified and selected consistent with job requirements.

Element 2: Fill cracks and holes

Performance criteria

- 2.1 Cracks and holes in timber products are identified in line with workplace procedures.
- 2.2 Appropriate wood filler is selected taking into account colour and properties of timber.
- 2.3 Wood filler is applied in line with workplace procedures and manufacturers' instructions.

Element 3: Sand a surface

Performance criteria

- 3.1 Sanding method is selected consistent with job requirements.
- 3.2 Sanding method is applied in line with job requirements.

Element 4: Apply surface finishing using spraying method.

Performance criteria

- 4.1 Finishing method is selected consistent with job requirements.
- 4.2 Finishing materials are selected according to specifications.
- 4.3 Finishing method is applied in line with job requirements.

Element 5: Apply stain and bleach.

Performance criteria

- 5.1 Advantages of staining and bleaching identified.
- 5.2 Processes of staining and bleaching explained.
- 5.3 Tools and materials identified.
- 5.4 Surface is prepared for staining and bleaching.
- 5.5 Staining and bleaching processes are applied.

Registration Data

Subfield:	Manufacturing
Date first registered:	15 November 2015
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