



THE REPUBLIC OF KENYA

NATIONAL OCCUPATIONAL STANDARDS

FOR

CARPENTRY AND JOINERY ARTISAN

KNQF LEVEL 4

ISCED CODE: 0722 354B



TVET CDACC  
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## PERFORM JOINERS SECOND FIXING

UNIT CODE: CON/OS/CAJ/CR/05/4/B

### UNIT DESCRIPTION

This unit describes the competencies required to perform joiners second fixing. It involves, interpreting architectural drawings, selecting materials, tools and equipment, performing fixing of the fixtures, examining the quality of the finished product and performing housekeeping.

### ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA ( <i>Bold and italicized terms are elaborated in the Range</i> )
1. Interpret architectural drawings	1.1 Architectural drawing interpreted based on architectural design 1.2 Measurements converted as required by the Architectural drawing 1.3 Symbols are identified and interpreted based on International technical drawing (ISO 128)
2. Select materials, tools, and equipment	2.1 Cutting list of materials prepared as per the working drawing 2.2 Materials, tools and equipment selected and prepared as per the workplace procedures
3. Perform fixing the fixtures	3.1 Prepared materials for <i>fixtures</i> as per the workplace procedures 3.2 Plugged in the wall based on the job requirements 3.3 Cut the joints as per the job requirements 3.4 Undertook fixing of the fixtures according to the interior designer's specifications 3.5 Undertook finishing processes as per the job requirements 3.6 Performed workplace housekeeping as per the workplace procedures
4. Examine the quality of the finished product	4.1 Examined <i>joints</i> for well-fitting and tightness 4.2 Examined finished product for protruding nails or screws 4.3 Examined head of the screws
5. Perform workplace housekeeping	5.1 Cleared the off cuts, saw dust, shavings as per job requirements

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b> <i>(Bold and italicized terms are elaborated in the Range)</i>
	<p>5.2 Collected remaining nails and screws as per job requirements</p> <p>5.3 Return all the tools in the tool store as per workplace procedures</p>

## RANGE

<b>Variable</b>	<b>Range</b>
1. Fixtures may include but is not limited to:	<ul style="list-style-type: none"> <li>• Skirting</li> <li>• Dado rail</li> <li>• Picture rail</li> <li>• Cornice</li> <li>• Arch trough</li> <li>• Pelmet box</li> </ul>
2. Joints may include but is not limited to:	<ul style="list-style-type: none"> <li>• Mitre</li> <li>• Butt</li> <li>• Scribed</li> </ul>

## REQUIRED KNOWLEDGE AND SKILLS

### Knowledge

- Fixing of nails and screws
- Finishing procedures
- Types of fixtures
- Types of joints

### Skills

- Accuracy in cutting of the joints
- Planning skills
- Moulding skills
- Fitting skills
- Preparing materials, tools and equipment

## EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> <li>1.1 Interpreted architectural drawings accurately</li> <li>1.2 Prepared a good cutting list of materials as per the working drawing</li> <li>1.3 Selected materials, tools and equipment</li> <li>1.4 Performed fixing of the fixtures appropriately</li> <li>1.5 Examined joints for well-fitting and tightness accurately</li> <li>1.6 Examined finished product for protruding nails or screws accurately</li> <li>1.7 Examined head of the screws</li> <li>1.8 Performed workplace housekeeping according to workplace procedures</li> </ul>
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> <li>2.1 Access to relevant workplace or appropriately simulated environment where assessment can take place</li> <li>2.2 Materials relevant to the proposed activity or tasks</li> </ul>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <ul style="list-style-type: none"> <li>3.1 Practical assignment</li> <li>3.2 Written</li> <li>3.3 Oral interview</li> </ul>
4. Context of Assessment	<p>Competency may be assessed</p> <ul style="list-style-type: none"> <li>4.1 On-the-job</li> <li>4.2 Off-the-job</li> <li>4.3 During Industrial attachment.</li> </ul>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>